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MEN OF SCIENCE AND INDUSTRY

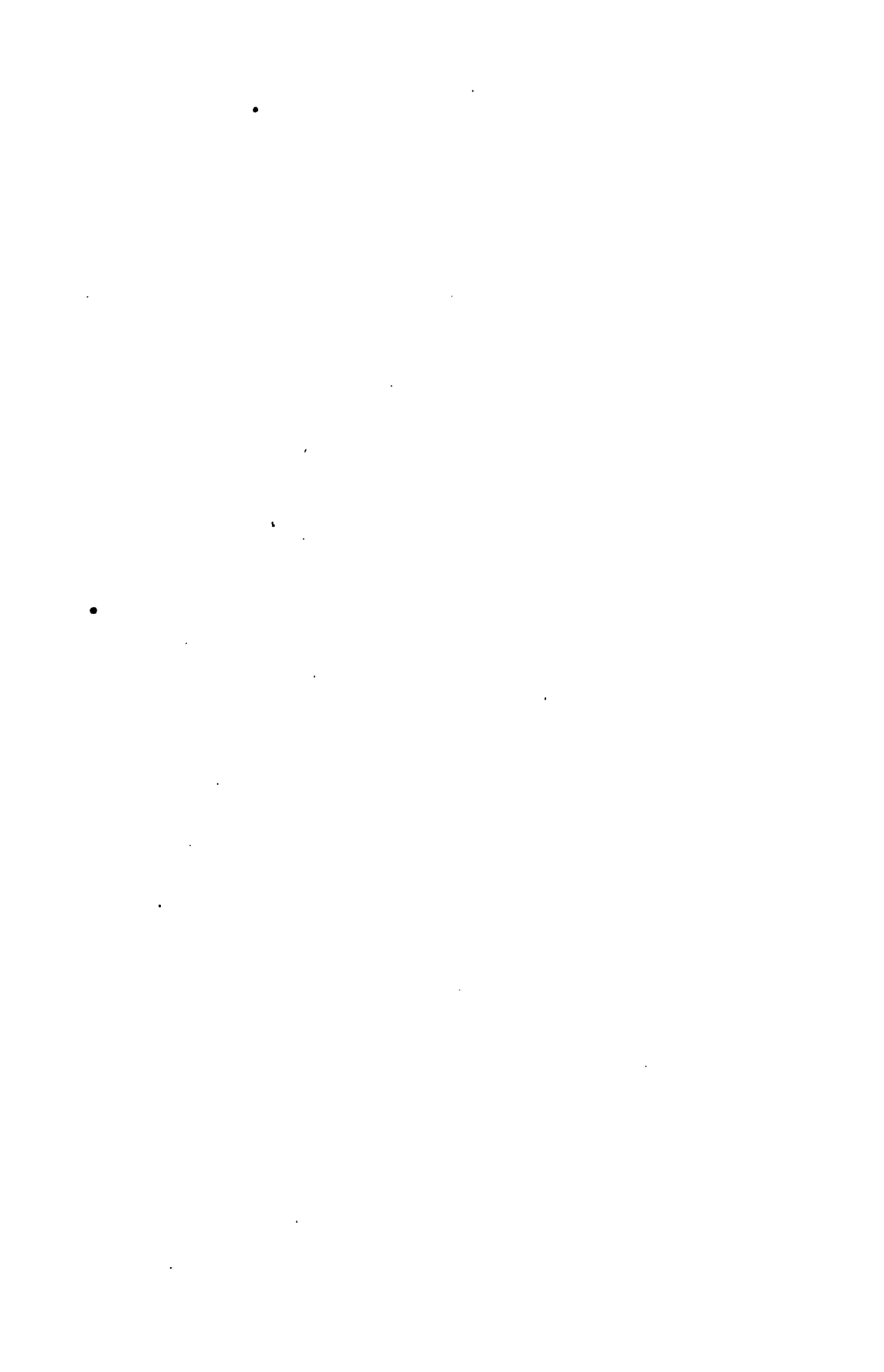
A GUIDE TO THE BIOGRAPHIES OF SCIENTISTS, ENGINEERS,
INVENTORS AND PHYSICIANS, IN THE CARNEGIE
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Preface

The desirability of introducing the young scientist to the personality of his predecessors has long been recognized by those interested in education. "The student will find that the best way into any science is through the history of the discoveries that have made it a science. By following the footsteps of those who have found their way to the truth, we pursue natural, if seemingly vagrant, paths. The difficulties of discovery that the pioneers of the science met are the difficulties that the student encounters. Moreover, there is a human interest about the struggles of a man with the problems of the world that adds much to the hard facts of a science, and gives one of the needed graces to the stern features of any physical inquiry." (*Shaler and Davis, Illustrations of the Earth's Surface.*)

Although the material relating to the lives of scientists and engineers is considerable in quantity, it is widely scattered and difficult of access. This condition was recognized many years ago by the Society for the Promotion of Engineering Education, which appointed a committee of investigation, but as yet no feasible plan for a uniform editing of the material has been found. In the mean time, this Library has compiled a card index to the biographies in its own collection, and this bibliography is now printed in the hope that it may prove useful to others, even though it is confined to the resources of one library.

The list is, in general, limited to men whose work is concerned with the subjects represented in the classes Science and Useful Arts, of the Decimal Classification. On this basis some men prominent in business, engineering and invention are included whose rank as scientific workers may be questioned. The limitation to one collection, and that not one attempting completeness, will account for the absence of certain names

which might reasonably be expected to appear. The brief characterizations attached to the names have sometimes given difficulty because of the varied aspects of some men's work, but the endeavor has been to choose the field in which each has made his most important contributions to science. A man's birthplace has been considered as determining his nationality.

The original intention was to include only books about individuals and collections of biographies, omitting references to the periodical press. This plan has been modified by the inclusion of references to the publications of some societies which print obituary notices of members and a few scientific and technical journals which contain numerous biographical sketches. No references to general periodicals are given except a few from Poole's Index to additional material on men already in the list. The names of those who appear in the Dictionary of National Biography are indicated by asterisks.

A list of books systematically indexed is given below, also a list of biographical dictionaries and some other works useful for reference in this connection. Among the latter may be especially mentioned the Indexes to the Proceedings of the Institution of Civil Engineers, which contain references to some 2,500 names.

The plan, compilation and annotation of this list are the work of Miss Marion Knight and Mr E. H. McClelland.

HARRISON W. CRAVER,

October 20, 1914.

Librarian.

Books Indexed in this List

- Allen, John Fenwick.** 926.6 A42
Some founders of the chemical industry. 1906.
- American Academy of Arts and Sciences.** qr 506 A5122p
Proceedings, 1846-48, 1868-1912. v.1, 8-48.
- American Institute of Electrical Engineers.** r 621.305 A512
Transactions, 1884-1912. v.1-31.
- American Institute of Mining Engineers.** r 622.05 A51
Transactions, 1871-1911. v.1-42.
- American Philosophical Society.** r 506 A512
Proceedings, 1869-1913. v.11-52.
- American Society of Civil Engineers.** r 620.6 A51p
Proceedings, 1873-1912. v.1-38.
- American Society of Civil Engineers.** r 620.5 A51
Transactions, 1867-1912. v.1-75.
- American Society of Mechanical Engineers.** r 621.05 A5123
Transactions, 1880-1911. v.1-33.
- Arago, Dominique François Jean.** r 925 A65
Biographies of distinguished scientific men. 1857.
- Ball, Sir Robert Stawell.** 925.2 B21
Great astronomers. 1895.
- Bettany, George Thomas.** 926.1 B46
Eminent doctors; their lives and their work. 2v. 1885.
- Bolton, Mrs Sarah (Knowles).** 925 B61
Famous men of science. 1889.
- Brewster, Sir David.** 925 B73
Martyrs of science. 1877.
- Brougham, Henry Peter, baron Brougham and Vaux.** qr 928 B77
Lives of men of letters and science who flourished in the time of George III. 2v. 1845-46.
- Bryson, John.** 926 B84
Inventors of the Scotch-Irish race of America. 1892.
- Camac, Charles Nicoll Bancker, comp.** 610.9 C14
Epoch-making contributions to medicine, surgery and the allied sciences. 1909.
- Chemical Society of London.** 925 C42
Memorial lectures, 1893-1900. 1901.
- Clodd, Edward.** 925 C61
Pioneers of evolution from Thales to Huxley. 1897.
- 920 E588
Eminent persons; biographies reprinted from the Times. v.1-6. 1892-97.

Geikie, Sir Archibald.	550.9 G28
Founders of geology. 1905.	
Geological Society of America.	qr 550.5 B87
Bulletin. v.1-23. 1890-1912.	
Gray, Asa.	580.4 G81s
Scientific papers. 2v. 1889.	
Hennig, Richard.	926.2 H44
Buch berühmter ingenieure. 1911.	
Howe, Henry.	926 H85
Memoirs of the most eminent American mechanics. 1857.	
Hubert, Philip Gengembre.	926 H87
Inventors. 1893.	
Iles, George.	926 I22
Leading American inventors. 1912.	
Jeans, William Tullock.	926 J22
Creators of the age of steel. 1884.	
Jeans, William Tullock.	925 J22
Lives of the electricians. 1887.	
Jordan, David Starr, ed.	925 J42
Leading American men of science. 1910.	
Knox, Robert.	925 K35
Great artists and great anatomists. 1852.	
Layson, John F.	926 L44
Great engineers.	
Lodge, Sir Oliver Joseph.	520.9 L76
Pioneers of science. 1893.	
Miall, Louis Compton.	925.7 M66
Early naturalists. 1912.	
Morton, Edward John Chalmers.	925.2 M92
Heroes of science; astronomers. 1882.	
Muir, Matthew Moncrieff Pattison.	925.4 M95
Heroes of science; chemists. 1883.	
Munro, John.	925 M96
Heroes of the telegraph. 1891.	
Munro, John.	925 M96p
Pioneers of electricity. 1890.	
National Academy of Sciences.	r 925 N15
Biographical memoirs. v.1-6. 1877-1909.	
Nature, 1869-1913. v.1-90.	qr 505 N15
Oliver, Frederick William, ed.	925.8 O23
Makers of British botany. 1913.	
Ostwald, Wilhelm.	925 O29
Grosse männer. 1909.	
Philosophical Society of Washington.	r 506 W27
Bulletin. v.1-15. 1874-1910.	

Pioneers of progress. [1910.]	926 P64
Poincaré, Jules Henri.	925 P74
Savants et écrivains. [1910.]	
Popular science monthly, 1872-1912. v.1-81.	r 505 P81
Potamian, Brother.	925 P84
Makers of electricity. 1909.	
Ramsay, Sir William.	540.4 R18
Essays, biographical and chemical. 1908.	
Royal Society of London.	r 506 R81pr
Proceedings, 1800-1912. v.1-87A.	
Schulze, Franz Arthur.	925.3 S39
Die grossen physiker und ihre leistungen. 1910.	
"Literatur," p.108.	
Smiles, Samuel.	926 S64i
Industrial biography. 1889.	
Smiles, Samuel.	926 S64l
Lives of the engineers. 5v. 1874.	
Smiles, Samuel.	926 S64
Men of invention and industry. 1885.	
Smithsonian Institution.	r 506 S66
Annual report, 1846-1911. v.1-66.	
Stirling, William.	qr 926.1 S86
Some apostles of physiology. 1902.	
Stuart, Charles Beebe.	r 926 S92
Lives and works of civil and military engineers of America. 1871.	
Thorpe, Thomas Edward.	925.4 T41
Essays in historical chemistry. 1894.	
Youmans, William Jay, ed.	925 Y35
Pioneers of science in America. 1896.	

Brief List of Other Books Useful for Reference

- American Iron & Steel Institute.** r 669.106 A51
Biographical directory.
- Atkinson, William Biddle, ed.** qr 926.1 A87
Biographical dictionary of contemporary American physicians and surgeons. 1880.
- Benjamin, Park.** 537.09 B43
Intellectual rise of electricity. 1895.
Contains many short biographical sketches of electricians.
- Britten, Frederick James.** 681 B750
Old clocks and watches and their makers. 1899.
Contains alphabetical list of about 8,000 clockmakers and watchmakers.
- Busbey, T. Addison, comp.** r 926.5 B95
Biographical directory of the railway officials of America. 1901-06.
- Cajori, Florian.** 510.9 C12
History of mathematics. 1906.
Short biographies of mathematicians.
- Cajori, Florian.** 530.9 C12
History of physics. 1899.
Full of short sketches of physicists.
- Cassino, Samuel Edson, comp.** r 502 C26
Naturalists' directory, 1890, 1895, 1898, 1914.
- Cattell, James McKeen, ed.** qr 925 C28
American men of science; a biographical directory [1906, 1910].
- Doctor's who's who.** 1906. r 926.1 D66
Aims to include the names of all foreign physicians of extraordinary repute, and of American physicians who are either authors of medical works, professors in recognized colleges conferring the M. D. degree, editors of prominent medical journals, superintendents of important state medical institutions or presidents of important medical societies.
- Francis, Samuel Ward.** r 926.1 F86
Biographical sketches of distinguished living New York physicians. 1867.
- Goddard, Dwight.** 926 G54
Eminent engineers. 1906.
- Grahame-White, Claude, & Harper, Harry.** 533.652 G77
The aeroplane, past, present and future. 1911.
Briefest notes of aviators (pilots).
- Harshberger, John William.** r 925.8 H31
The botanists of Philadelphia and their work. 1899.
Biographical sketches. Appendixes give lists of members of the Philadelphia Botanical Club and of the Botanical Society of Philadelphia.
- Hawkins, Nehemiah, comp.** r 537.03 H36
Hawkins' electrical dictionary. 1910.
Brief biographical notes.

- Hawkins, Nehemiah, comp.** r 621.03 H36
 Hawkins' mechanical dictionary. 1910.
 Includes concise biographies of noted engineers and inventors.
- Institution of Civil Engineers.** r 620.5 I247m v.0¹⁻⁴
 Subject index to Minutes of proceedings.
 Indexes some 2,500 memoirs of deceased members.
- Jeaffreson, John Cordy.** 926.1 J22
 Book about doctors. [1862.] Hurst.
 Anecdotal sketches of noted physicians.
- Kelly, Howard Atwood.** 925.8 K17
 Some American medical botanists commemorated in our botanical literature. 1914.
- Kelly, Howard Atwood, ed.** qr 926.1 K17
 Cyclopedia of American medical biography; comprising the lives of eminent deceased physicians from 1610 to 1910. 2v. 1912.
 Bibliography, v.1, p.4-5.
- Lebon, Ernest.** 520.9 L47
 Histoire abrégée de l'astronomie. 1899.
 Contains brief sketches of eminent astronomers, and a biographical dictionary.
- Maiden, Joseph Henry.** r 925.8 M26
 Records of Queensland botanists; a paper read before the [Australasian Association for the Advancement of Science]. 1909.
 With this is bound his "Records of the earlier French botanists as regards Australian plants."
- Meyer, Ernst von.** 540.9 M65
 History of chemistry. 1906.
 Short biographies of chemists.
- Mumford, James Gregory.** 610.9 M96
 Narrative of medicine in America.
- Oliver, Frederick William, ed.** 925.8 O23
 Makers of British botany; a collection of biographies by living botanists. 1913.
- Poggendorff, Johann Christian, comp.** qr 016.5 P74
 Biographisch-literarisches handwörterbuch zur geschichte der exacten wissenschaften, 1858-1904. v.1-4, in 6. 1863-1904.
- Roberts, Ethel.** 925.4 R53
 Famous chemists. 1911.
- Schädler, Carl, ed.** r 925.4 S29
 Biographisch-litterarisches handwörterbuch der wissenschaftlich bedeutenden chemiker. 1891.
 Brief biographical sketches of chemists and physicists who have been prominent in the development of chemistry. Gives dates, important work, etc.
- Toner, Joseph Meredith.** r 926 T61
 Medical men of the Revolution, with a brief history of the medical department of the Continental army, containing the names of nearly 1,200 physicians. 1876.

- Verein Deutscher Ingenieure, Berlin.** qr 609 V27
 Beiträge zur geschichte der technik und industrie; jahrbuch des Vereines Deutscher Ingenieure; hrsg. von Conrad Matschoss, 1909-13. v.1-5.
 Contains biographies of engineers.
- Wait, John Cassan, comp.** r 926 W14
 Calendar of invention and discovery. 1903.
 Epitome of scientific biography. Each day of the year is marked by the names of two prominent scientists or inventors born on that day. Brief biographical sketch of each is given.
- Watson, Irving Allison, comp.** qr 926.1 W31
 Physicians and surgeons of America; a collection of biographical sketches of the regular medical profession. 1896.
- Who's who in science (international), 1912-14.** r 925 W66
- Williams, Stephen West.** r 926.1 W74
 American medical biography; or, Memoirs of eminent physicians, embracing principally those who have died since [1828]. 1845. Merriam.

Men of Science and Industry

- Abbe, Cleveland, b. 1838, *American meteorologist.***
 Popular science monthly. 1888. v.32, p.400-408.....r 505 P81 v.32
- Abbe, Ernst, 1840-1905, *German optician.***
 Nature. 1905. v.71, p.301-302.....qr 505 N15 v.71
- Abbott, Charles Conrad, b. 1843, *American naturalist.***
 Popular science monthly. 1887. v.30, p.547-553.....r 505 P81 v.30
- Abbott, Job, 1845-96, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.538-539.....r 620.5 A51 v.36
- *Abernethy, John, 1764-1831, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.226-241.....926.1 B46 v.1
 Macilwain. Memoirs of John Abernethy, with a view of his lec-
 tures, writings and character. 1853.....92 A146m
- Abert, John James, 1788-1862, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.88-92.r 620.6 A51p v.19
- Abert, Sylvanus Thayer, 1828-1903, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.59,
 p.521-530.....r 620.5 A51 v.59
- Acheson, Edward Goodrich, b. 1856, *American chemist and inventor.***
 Acheson. A pathfinder: discovery, invention and industry.
 1910.92 A177
- Ackenhil, Charles, 1841-90, *German-American engineer.***
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.137-138.....r 620.6 A51p v.17
- *Acland, Sir Henry Wentworth, 1815-1900, *English physician and
 anatomist.***
 Royal Society of London. Proceedings. 1904-05. v.75, p.169-
 174.r 506 R81pr v.75
- *Adams, John Couch, 1819-92, *English astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.444-446.....qr 506 A5122p v.27
 Ball. Great astronomers. 1895. p.354-372.....925.2 B21
 Popular science monthly. 1892. v.41, p.545-550.....r 505 P81 v.41
- *Addison, Thomas, 1793-1860, *English physician.***
 Bettany. Eminent doctors. 1885, v.2, p.2-14.....926.1 B46 v.2
- Adgate, George, 1845-1909, *American engineer.***
 American Society of Civil Engineers. Transactions: 1909. v.65,
 p.514-516.r 620.5 A51 v.65

Agassiz, Alexander Emmanuel Rodolphe, 1835-1910, *Swiss-American naturalist.*

Agassiz, G. R. *ed.* Letters and recollections of Alexander Agassiz, with a sketch of his life and work. 1913.....92 A2622a
American Academy of Arts and Sciences. Proceedings. 1912. v.48, p.31-44.....qr 506 A5122p v.48
Popular science monthly. 1910. v.77, p.419-446.....r 505 P81 v.77
Smithsonian Institution. Annual report. 1910. v.65, pt.1, p.447-472.r 506 S66 v.65 pt.1

Agassiz, Louis, 1807-73, *Swiss-American naturalist.*

Agassiz, Mrs Louis. Louis Agassiz; his life and correspondence. 1893.92 A262a
American Academy of Arts and Sciences. Proceedings. 1874. v.9, p.310-320.....qr 506 A5122p v.9
Bolton. Famous men of science. 1889. p.302-346.....925 B61
Gould. Louis Agassiz. 1901.....92 A262g
Jordan. Leading American men of science. 1910. p.147-169.925 J42
Jordan. Science sketches. 1896. p.133-152.....570.4 J42
Marcou. Life, letters and works of Louis Agassiz. 2v. 1896.92 A262m
National Academy of Sciences. Biographical memoirs. 1877-1909. v.2, p.39-73.....r 925 N15 v.2
Popular science monthly. 1874. v.4, p.608-618.....r 505 P81 v.4
Popular science monthly. 1907. v.71, p.542-549.....r 505 P81 v.71
Royal Society of London. Proceedings. 1877. v.25, p.xxii-xxx.....r 506 R81pr v.25
Smithsonian Institution. Annual report. 1873. v.28, p.198-210.r 506 S66 v.28
Smithsonian Institution. Annual report. 1878. v.33, p.236-261.r 506 S66 v.33
Thayer. Men who win. 1897. p.293-321.....920 T34m
Whipple. Recollections of eminent men. 1900. p.77-118.....920 W624
Youmans. Pioneers of science in America. 1896. p.475-491.....925 Y35

Agnew, David Hayes, 1818-92, *American surgeon and medical writer.*

Adams, J. Howe-. History of the life of D. Hayes Agnew. 1892.q 92 A273a

Ainsworth, Danforth Hurlbut, 1828-1904, *American engineer.*

American Society of Civil Engineers. Transactions. 1905. v.54, pt.7, p.522-523.....r 620.5 A51 v.54, pt.7

Airy, Sir George Biddell, 1801-92, *English astronomer.

Airy. Autobiography; ed. by Wilfrid Airy. 1896.....92 A298
American Academy of Arts and Sciences. Proceedings. 1892. v.27, p.446-448.....qr 506 A5122p v.27
Ball. Great astronomers. 1895. p.289-302.....925.2 B21
Eminent persons. 1896. v.5, p.178-182.....920 E588 v.5
Popular science monthly. 1873. v.3, p.101-104.....r 505 P81 v.3

- *Airy, Sir George Biddell—continued.**
 Royal Society of London. Proceedings. 1892. v.51,
 p.I-XXI.....r 506 R81pr v.51
- Aitchison, James Edward Tierney, 1835-98, English botanist.**
 Royal Society of London. Proceedings. 1899. v.64,
 p.XI-XIII.....r 506 R81pr v.64
- *Aitken, Sir William, 1825-92, English physician.**
 Royal Society of London. Proceedings. 1894. v.55,
 p.XIV-XVI.....r 506 R81pr v.55
- Albertus Magnus, 1206(?)—80, German scientist.**
 Townsend. Great schoolmen of the middle ages. 1905. p.163-
 173.923.7 T66
 Walsh. Catholic churchmen in science. 1906. v.2, p.21-58..509 W18 v.2
- Aldrich, James Colwell, 1838-1900, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.617-620.....r 620.5 A51 v.45
- Alexander, John Henry, 1812-67, American geologist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.I, p.213-226.....r 925 N15 v.1
- Alexander, Stephen, 1806-83, American astronomer.**
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.504-511.....qr 506 A5122p v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.249-259.....r 925 N15 v.2
- Allen, Horatio, 1802-89, American engineer.**
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.180-184.....r 620.6 A51p v.16
 American Society of Mechanical Engineers. Transactions. 1890.
 v.II, p.1156-1181.....r 621.05 A5123 v.11
 Railroad and engineering journal. 1890. v.64 (n. s. v.4), p.82-86,
 113-117, 174-176.....qr 625.05 R1524 v.64
- Allen, Theodore, 1840-90, American engineer.**
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.240-241.....r 620.6 A51p v.17
- Allhusen, Christian, 1806-90, German-English chemical manufacturer.**
 Allen. Some founders of the chemical industry. 1906. p.233-
 248.926.6 A42
- Allis, Edward Phelps, 1824-89, American engineer.**
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.168-169.....r 620.6 A51p v.15
- *Allman, George James, 1812-98, Irish zoölogist.**
 Nature. 1898. v.59, p.202-204.....qr 505 N15 v.59
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.25-27.....r 506 R81pr v.75

- Allman, George Johnston, 1824–1904, *Irish mathematician.***
 Royal Society of London. Proceedings. 1906. v.78A,
 p.xii–xiii.....r 506 R81pr v.78A
- Ampère, André Marie, 1775–1836, *French physicist and electrician.***
 Ampère. Journal et correspondance; recueillis par Mme [Henriette Chevreux]. 1872.....92 A526a
 Munro. Pioneers of electricity. 1890. p.161–176.....925 M96p
 Potamian. Makers of electricity. 1909. p.232–257.....925 P84
 Smithsonian Institution. Annual report. 1872. v.27, p.III–
 171.....r 506 S66 v.27
- Anderson, Adna, 1827–89, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.166–168.....r 620.6 A51p v.15
- Anderson, George Bonbright, 1853–96, *American physician.***
 Anderson, W. C. In memory of George Bonbright Anderson.
 1897.r 92 A546a
- *Anderson, John, 1833–1900, *Scottish naturalist.***
 Nature. 1900. v.62, p.529–531.....qr 505 N15 v.62
 Royal Society of London. Proceedings. 1904–05. v.75, p.II3–
 II6.....r 506 R81pr v.75
- Andral, Gabriel, 1797–1876, *French physician.***
 American Academy of Arts and Sciences. Proceedings. 1876. v.II,
 p.363–365.....qr 506 A5122p v.II
- *Andrews, Thomas, 1813–85, *Irish chemist.***
 Nature. 1885. v.33, p.157–159.....qr 505 N15 v.33
 Royal Society of London. Proceedings. 1887. v.41,
 p.xi–xv.....r 506 R81pr v.41
- Andrews, Thomas, 1847–1907, *English metallurgist.***
 Royal Society of London. Proceedings. 1908. v.81A,
 p.LXXXII–LXXXIV.....r 506 R81pr v.81A
- Ångström, Anders Jonas, 1814–74, *Swedish physicist.***
 Nature. 1874. v.10, p.376–377.....qr 505 N15 v.10
 Royal Society of London. Proceedings. 1877. v.25,
 p.xviii–xxii.....r 506 R81pr v.25
- Ångström, Knut Johan, 1857–1910, *Swedish physicist.***
 Nature. 1910. v.83, p.134–135.....qr 505 N15 v.83
- Ansley, George Doane, 1836–83, *Canadian engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.109–110.....r 620.6 A51p v.15
- Antisell, Thomas, 1817–93, *Irish geologist and chemist.***
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.367–
 370.....r 506 W27 v.13
- Apjohn, James, 1796–1886, *Irish chemist and physicist.***
 Royal Society of London. Proceedings. 1887. v.41,
 p.I–II.....r 506 R81pr v.41

- *Appold, John George, 1800-65, *English mechanician.***
 Royal Society of London. Proceedings. 1867. v.15,
 p.I-VI.....r 506 R81pr v.15
- Arago, Dominique François Jean, 1786-1853, *French physicist and astronomer.***
 Littell's living age. 1846. v.11, p.140-148.....r 051 L74 v.11
 Popular science monthly. 1886. v.30, p.259-266.....r 505 P81 v.30
 Smithsonian Institution. Annual report. 1870. v.25, p.145-
 196.....r 506 S66 v.25
- Archbald, James, 1838-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.72,
 p.586-588.....r 620.5 A51 v.72
- *Archer, William, 1830-97, *Irish naturalist.***
 Royal Society of London. Proceedings. 1898. v.62,
 p.XL-XLIII.....r 506 R81pr v.62
- Argelander, Friedrich Wilhelm August, 1799-1875, *German astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.505-507.....qr 506 A5122p v.10
 American journal of science. 1876. v.112, p.113-118.r 505 A51 v.112
 Popular science monthly. 1891. v.39, p.549-555.....r 505 P81 v.39
- *Argyll, George Douglas Campbell, duke of, 1823-1900, *English politician, philosopher and scientist.***
 Argyll. Autobiography and memoirs; ed. by the dowager duchess
 of Argyll. 2v. 1906.....92 A695
- *Arkwright, Sir Richard, 1732-92, *English mechanical engineer, inventor of cotton-spinning machinery.***
 Coleridge. Lives of northern worthies. 1852. v.2, p.358-
 385.....920 C68 v.2
 Howe. Lives of eminent mechanics. 1857. p.258-269.....926 H85
- Armstrong, Robert Young, 1839-94, *Irish military engineer.***
 Royal Society of London. Proceedings. 1895. v.57,
 p.XXII-XXIV.....r 506 R81pr v.57
- *Armstrong, William George, baron, 1810-1900, *English mechanical engineer.***
 Fortunes made in business. 1887. v.3, p.117-198.....926 F97 v.3
 Layson. Great engineers. p.321-359.....926 L44
 Pioneers of progress. [1910.] p.67-94.....926 P94
 Royal Society of London. Proceedings. 1904-05. v.75, p.217-
 227.....r 506 R81pr v.75
- *Arnott, George A. Walker-, 1799-1868, *Scottish botanist.***
 Gray. Scientific papers. 1889. v.2, p.347-348.....580.4 G81s
- *Arnott, Neil, 1788-1874, *Scottish physician.***
 Royal Society of London. Proceedings. 1877. v.25,
 p.XIV-XVIII.....r 506 R81pr v.25
- Arrol, Sir William, b. 1839, *English engineer and bridge builder.***
 Pioneers of science. [1910.] p.137-163.....926 P64

- Aselli**, Gaspar, 1580-1626, *Italian physiologist*.
 Stirling. Some apostles of physiology. 1902. p.13-14..qr 926.1 S86
- Ashburner**, Charles Albert, 1854-90, *American geologist*.
 American Institute of Mining Engineers. Transactions. 1890. v.18,
 p.365-370.....r 622.05 A51 v.18
 American Philosophical Society. Proceedings. 1890. v.28, p.53-
 59.....r 506 A512 v.28
- Aspinwall**, William Howland, 1807-75, *American engineer*.
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.598-599.....r 620.5 A51 v.36
- Atkinson**, John Bond, 1840-1911, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.492-494.....r 620.5 A51 v.74
- Atwood**, William Henry, 1851-90, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.205-208.....r 620.6 A51p v.17
- Audubon**, John James, 1780-1851, *American ornithologist*.
 Audubon. Audubon and his journals; ed. by M. R. Audubon, with
 notes by Elliott Coues. 2v. 1897.....92 A916
 Audubon. Life and adventures of Audubon the naturalist [ed.]
 by Robert Buchanan [with an introduction by John Burroughs.
 1913].92 A916au
 Audubon, Mrs Lucy (Bakewell), ed. Life of John James Audubon.
 1894.92 A916a
 Bolton. Famous men of science. 1889. p.167-201.....925 B61
 Burroughs. John James Audubon. 1902.....92 A916b
 Jordan. Leading American men of science. 1910. p.71-87..925 J42
 Popular science monthly. 1887. v.31, p.687-697.....r 505 P81 v.31
 St. John. Audubon, the naturalist of the New World; his adven-
 tures and discoveries. 1861.....92 A916s
 Youmans. Pioneers of science in America. 1896. p.152-166..925 Y35
- Auenbrugger**, Leopold, 1722-1809, *Austrian physician*.
 Camac. Epoch-making contributions to medicine, surgery and the
 allied sciences. 1909. p.117-119.....610.9 C14
- *Austen**, Robert Alfred Cloyne Godwin-, 1808-84, *English geologist*.
 Royal Society of London. Proceedings. 1885. v.38,
 p.IX-XIII.....r 506 R81pr v.38
- Austen**, Sir William Chandler Roberts-. *See Roberts-Austen*, Sir Wil-
 liam Chandler.
- Austin**, Thomas Septimus, 1853-1906, *American metallurgist*.
 American Institute of Mining Engineers. Transactions. 1907. v.38,
 p.406-411.....r 622.05 A51 v.38
- Avery**, Charles, 1795-1883, *American chemist*.
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.442-444.....qr 506 A5122p v.18

- Avery, John, 1830-84, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.117.....r 620.6 A51p v.11
- Avery, Robert Stanton, 1808-94, *American geodetic surveyor.***
 Philosophical Society of Washington. Bulletin. 1892-94. v.12,
 p.435-442.....r 506 W27 v.12
- *Ayrton, William Edward, 1847-1908, *English electrical engineer.***
 Nature. 1908. v.79, p.74-75.....qr 505 N15 v.79
 Royal Society of London. Proceedings. 1911. v.85A,
 p.I-VIII.....r 506 R81pr v.85A
- *Babbage, Charles, 1792-1871, *English mathematician.***
 Babbage. Passages from the life of a philosopher. 1864...r 92 B114
 Eminent persons. 1892-97. v.1, p.57-62.....920 E588 v.1
 Nature. 1871. v.5, p.28-29.....qr 505 N15 v.5
 Smithsonian Institution. Annual report. 1873. v.28, p.162-
 197.....r 506 S66 v.28
- Babcock, George H. 1832-93, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1894.
 v.15, p.636-639.....r 621.05 A5123 v.15
- *Babington, Benjamin Guy, 1794-1866, *English physician.***
 Royal Society of London. Proceedings. 1868. v.16,
 p.I-II.....r 506 R81pr v.16
- *Babington, Charles Cardale, 1808-95, *English botanist.***
 Royal Society of London. Proceedings. 1896. v.59,
 p.VIII-X.....r 506 R81pr v.59
- Bache, Alexander Dallas, 1806-67, *American astronomer and physicist.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.522-524.....r 620.5 A51 v.36
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.181-212.....r 925 N15 v.1
 Popular science monthly. 1895. v.48, p.112-120.....r 505 P81 v.48
 Royal Society of London. Proceedings. 1868. v.16,
 p.LXIV-LXIX.....r 506 R81pr v.16
 Smithsonian Institution. Annual report. 1870. v.25, p.91-
 116.....r 505 S66 v.25
 Youmans. Pioneers of science in America. 1896. p.436-446..925 Y35
- Bacon, John, 1817-81, *American physiological chemist.***
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.419-422.....qr 506 A5122p v.18
- Baer, Karl Ernst von, 1792-1876, *German biologist.***
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.331-335.....qr 506 A5122p v.12
 Nature. 1876. v.15, p.138-139.....qr 505 N15 v.15
 Royal Society of London. Proceedings. 1878. v.27,
 p.I-V.....r 506 R81pr v.27

- Baeyer**, Johann Jacob, 1794–1885, *German geodetic surveyor*.
 Popular science monthly. 1887. v.32, p.261–265. r 505 P81 v.32
- Bailey**, George Irving, 1861–1908, *American engineer*.
 American Society of Civil Engineers. Transactions. 1908. v.61,
 p.556–559. r 620.5 A51 v.61
- Bailey**, Thomas Norton, 1850–86, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.186–187. r 620.6 A51P v.16
- ***Baillie**, Matthew, 1761–1823, *Scottish physician*.
 Bettany. Eminent doctors. 1885. v.2, p.52–55. 926.1 B46 v.2
- Baillon**, Henri Ernest, 1827–95, *French botanist*.
 Royal Society of London. Proceedings. 1896. v.59,
 p.LXVII–LXIX. r 506 R81pr v.59
- Bailly**, Jean Sylvain, 1736–93, *French astronomer*.
 Arago. Biographies of distinguished scientific men. 1857. p.61–
 166. r 925 A65
- ***Baird**, Andrew Wilson, 1842–1908, *Scottish hydrographer*.
 Royal Society of London. Proceedings. 1909. v.82A,
 p.xvii–xxi. r 506 R81pr v.82A
- Baird**, Spencer Fullerton, 1823–87, *American naturalist*.
 Goode. Smithsonian Institution, 1846–1896. 1897. p.157–
 200. qr 506 G62
 Jordan. Leading American men of science. 1910. p.269–281. . 925 J42
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.3, p.141–160. r 925 N15 v.3
 Popular science monthly. 1888. v.33, p.547–555. r 505 P81 v.33
 Popular science monthly. 1906. v.68, p.63–83. r 505 P81 v.68
 Smithsonian Institution. Annual report. 1888. v.43, pt.1, p.703–
 744. r 506 S66 v.43, pt.1
 United States—National museum. Bulletin. 1883. no.20,
 p.v–xiii. r 507 U25b no.20
- ***Baird**, William, 1803–72, *Scottish zoölogist and physician*.
 Royal Society of London. Proceedings. 1872. v.20,
 p.xxiii–xxiv. r 506 R81pr v.20
- ***Baker**, Sir Benjamin, 1840–1907, *English engineer*.
 American Society of Mechanical Engineers. Transactions. 1907.
 v.29, p.1145–1147. r 621.05 A5123 v.29
 Royal Society of London. Proceedings. 1910–11. v.84A,
 p.i–xi. r 506 R81pr v.84A
- Baker**, Marcus, 1849–1903, *American topographical surveyor*.
 Philosophical Society of Washington. Bulletin. 1904. v.14, p.277–
 285. r 506 W27 v.14
- Baldwin**, George Rumford, 1798–1888, *American engineer*.
 American Academy of Arts and Sciences. Proceedings. 1889. v.24,
 p.429–434. qr 506 A5122p v.24

- Baldwin, Henry Furlong, 1862–1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.67,
 p.621–622.....r 620.5 A51 v.67
- Baldwin, Stephen Warner, 1833–1910, *American engineer.***
 American Society of Mechanical Engineers. Transactions. 1910.
 v.32, p.1467–1468.....r 621.05 A5123 v.32
- *Balfour, Francis Maitland, 1851–82, *English embryologist.***
 Nature. 1882. v.26, p.313–314.....qr 505 N15 v.26
 Royal Society of London. Proceedings. 1883. v.35,
 p.xx–xxvii.....r 506 R81pr v.35
- *Ball, John, 1818–89, *Irish botanist.***
 Royal Society of London. Proceedings. 1890. v.47,
 p.v–ix.....r 506 R81pr v.47
- Ball, Valentine, 1843–95, *English geologist.***
 Royal Society of London. Proceedings. 1895. v.58,
 p.xlvii–xliv.....r 506 R81pr v.58
- Ballard, Edward, 1820–97, *English physician.***
 Royal Society of London. Proceedings. 1898. v.62,
 p.iii–v.....r 506 R81pr v.62
- *Baly, William, 1814–61, *English physician.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.i–iii.....r 506 R81pr v.12
- Banneker, Benjamin, 1731–1804, *negro astronomer and mathematician.***
 Child. Freedman's book. 1865. p.14–23.....r 326 C43
 Latrobe. Memoir of Benjamin Banneker. 1845.....r 92 B2282l
 [Tyson.] Sketch of the life of Benjamin Banneker. 1854..r 92 B2282t
- Barker, George Frederick, 1835–1910, *American physicist.***
 American Philosophical Society. Proceedings. 1911.
 v.50, p.xiii–xxix.....r 506 A512 v.50
 Popular science monthly. 1879. v.15, p.693–697.....r 505 P81 v.15
- *Barlow, Peter, 1776–1862, *English mathematician.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.xxxiii–xxxiv.....r 506 R81pr v.12
- *Barlow, Peter William, 1809–85, *English engineer.***
 Royal Society of London. Proceedings. 1885. v.38,
 p.xxxix–xl.....r 506 R81pr v.38
- Barnard, Frederick Augustus Porter, 1809–89, *American scientist.***
 American Academy of Arts and Sciences. Proceedings. 1889. v.24,
 p.441–445.....qr 506 A5122p v.24
 Winship. Great American educators. 1900. p.101–114...923.7 W78
- Barnard, John Fiske, 1829–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.68,
 p.479.....r 620.5 A51 v.68
- Barnard, John Gross, 1815–82, *American military engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.134–138.....r 620.6 A51p v.13

Barnard, John Gross—*continued*.

National Academy of Sciences. Biographical memoirs. 1877–1909.
v.5, p.219–229.....r 925 N15 v.5

Barnes, David Leonard, 1858–96, *American engineer*.

American Society of Civil Engineers. Transactions. 1899. v.41,
p.618–620.....r 620.5 A51 v.41

Barnes, James, 1806–69, *American engineer*.

American Society of Civil Engineers. Transactions. 1896. v.36,
p.540–541.....r 620.5 A51 v.36

Barrande, Joachim, 1799–1883, *French geologist*.

American Academy of Arts and Sciences. Proceedings. 1884. v.19,
p.539–545.....qr 506 A5122p v.19

Barré de Saint-Venant, Adhémar Jean Claude, 1797–1886, *French physicist*.

Nature. 1886. v.33, p.319–321.....qr 505 N15 v.33

Barriger, John Walker, 1874–1902, *American engineer*.

American Society of Civil Engineers. Transactions. 1906. v.56,
p.477–478.....r 620.5 A51 v.56

***Barry, Martin, 1802–55**, *English physician*.

Royal Society of London. Proceedings. 1855. v.7,
p.577–582.....r 506 R81pr v.7

Bartholinus, Thomas, 1616–80, *Danish physiologist*.

Stirling. Some apostles of physiology. 1902. p.15–16..qr 926.1 S86

Bartlett, William Holmes Chambers, 1804–93, *American physicist*.

American Academy of Arts and Sciences. Proceedings. 1895. v.30,
p.570–572.....qr 506 A5122p v.30

Barton, Benjamin Smith, 1766–1815, *American naturalist and physician*.

Popular science monthly. 1896. v.48, p.834–840.....r 505 P81 v.48

Youmans. Pioneers of science in America. 1896. p.81–89...925 Y35

Bartram, John, 1699–1777, *American botanist*.

Darlington. Memorials of John Bartram and Humphry Marshall,
with notices of their botanical contemporaries. 1849.....92 B284d

Popular science monthly. 1892. v.40, p.827–839.....r 505 P81 v.40

Youmans. Pioneers of science in America. 1896. p.24–39..925 Y35

Bartram, William, 1739–1823, *American naturalist*.

Popular science monthly. 1892. v.40, p.827–839.....r 505 P81 v.40

Youmans. Pioneers of science in America. 1896. p.24–39..925 Y35

Bary, Heinrich Anton de, 1831–88, *German botanist*.

Nature. 1888. v.37, p.297–299.....qr 505 N15 v.37

Basilius Valentinus. *See* Valentinus, Basilius.

Bastian, Henry Charlton, b. 1837, *English biologist and physician*.

Popular science monthly. 1875. v.8, p.108–110.....r 505 P81 v.8

Batchelder, John Montgomery, 1811–92, *American inventor*.

American Academy of Arts and Sciences. Proceedings. 1893. v.28,
p.305–310.....qr 506 A5122p v.28

- *Bate, Charles Spence, 1818-89, *English scientific writer.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.XLI-XLII.....r 506 R81pr v.46
- *Bateman, John Frederick, 1810-89, *English hydraulic engineer.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.XLII-XLVIII.....r 506 R81pr v.46
- Bates, David Stanhope, 1777-1839, *American engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.91-108.....r 926 S92
- *Bates, Henry Walter, 1825-92, *English naturalist.***
 Popular science monthly. 1892. v.42, p.118-122.....r 505 P81 v.42
- Bauer, Alexander Henry, 1846-95, *American electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1894.
 v.11, p.874-876.....r 621.305 A512 v.11
- Bauschinger, Johann, 1834-93, *German mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1894.
 v.15, p.1184-1188.....r 621.05 A5123 v.15
- *Baxendell, Joseph, 1815-87, *English astronomer and meteorologist.***
 Royal Society of London. Proceedings. 1888. v.43,
 p.IV-VI.....r 506 R81pr v.43
- Bailey, George William Read, 1821-76, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1878. v.4,
 p.58-60.....r 620.6 A51p v.4
- *Beale, Lionel Smith, 1828-1906, *English physician and microscopist.***
 Royal Society of London. Proceedings. 1907. v.79A,
 p.LVII-LXIII.....r 506 R81pr v.79A
- Beaumont, Jean Baptiste Armand Louis Léonce Élie de. *See Élie de
 Beaumont, Jean Baptiste Armand Louis Léonce.***
- Beaupré, Charles François Beautemps- *See Beautemps-Beaupré,
 Charles François.***
- Beautemps-Beaupré, Charles François, 1766-1854, *French hydrographer.***
 Smithsonian Institution. Annual report. 1863. v.18, p.117-
 136.....r 506 S66 v.18
- Beccaria, Giovanni Battista, 1716-81, *Italian electrician.***
 Walsh. Catholic churchmen in science. 1906. v.2, p.158-
 164.....509 W18 v.2
- Beche, Sir Henry Thomas de la. *See De la Beche, Sir Henry Thomas.***
- Becker, Max Joseph, 1828-96, *German-American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.555-557.....r 620.5 A51 v.37
- Becquerel, Antoine Henri, 1852-1908, *French physicist.***
 Royal Society of London. Proceedings. 1909-10. v.83A,
 p.XX-XXIII.....r 506 R81pr v.83A
 Smithsonian Institution. Annual report. 1908. v.63, pt.1, p.769-
 785.....r 506 S66 v.63, pt.1

- Becquerel, Edmond, 1820-91, *French physicist.***
 Royal Society of London. Proceedings. 1892. v.51,
 p.xxi-xxiv.....r 506 R81pr v.51
- *Beddoe, John, 1826-1911, *English physician and anthropologist.***
 Royal Society of London. Proceedings. 1911. v.84B,
 p.xxv-xxvii.....r 506 R81pr v.84B
- Beecher, Charles Emerson, 1856-1904, *American paleontologist.***
 Geological Society of America. Bulletin. 1905. v.16, p.541-
 548.....qr 550.5 B87 v.16
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.6, p.57-70.....r 925 N15 v.6
 Science. 1904. v.42 (n. s. v.19), p.453-455.....qr 505 S41 v.42
- Behaim, Martin, 1459-1506, *German astronomer.***
 Morris. Martin Behaim, the German astronomer and cosmog-
 rapher of the times of Columbus. 1855.....r 92 B386m
- Belknap, Morris Sheppard, 1845-90, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.167-168.....r 620.6 A51p v.16
- Bell, Alexander Graham, b. 1847, *American physicist.***
 Hubert. Inventors. 1893. p.264-269.....926 H87
 Munro. Heroes of the telegraph. 1891. p.185-198.....925 M96
- *Bell, Sir Charles, 1774-1842, *English physiologist.***
 Bettany. Eminent doctors. 1885. v.1, p.242-263.....926.1 B46 v.1
 Fraser's magazine. 1875. v.91, p.88-99.....r 052 F88 v.91
 Stirling. Some apostles of physiology. 1902. p.82-83..qr 926.1 S86
- Bell, George Joseph, 1835-1911, *English engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.495.....r 620.5 A51 v.74
- Bell, Henry Purdon, 1841-1910, *Irish-American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.496-498.....r 620.5 A51 v.74
- *Bell, Sir Isaac Lowthian, 1816-1904, *English metallurgist.***
 American Institute of Mining Engineers. Transactions. 1906. v.36,
 p.412-423.....r 622.05 A51 v.36
 Royal Society of London. Proceedings. 1906. v.78A,
 p.xiv-xviii.....r 506 R81pr v.78A
- Bell, James E. 1849-79, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1879, v.5, p.98-
 100.....r 620.6 A51p v.5
- *Bell, John, 1763-1820, *Scottish physician.***
 Bettany. Eminent doctors. 1885. v.1, p.108-118.....926.1 B46 v.1
- Belon, Pierre, 1517-64, *French naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.40-45.925.7 M66
 Popular science monthly. 1889. v.34, p.692-697.....r 505 P81 v.34

- Beltrami, Eugenio, 1835–1900, Italian mathematician.**
 Nature. 1900. v.61, p.568–569.....qr 505 N15 v.61
- Beneden, Edouard van, 1846–1910, Belgian zoölogist.**
 Nature. 1910. v.83, p.344–345.....qr 505 N15 v.83
 Royal Society of London. Proceedings. 1895. v.57,
 p.xx–xxii.....r 506 R81pr v.57
- Benét, Stephen Vincent, 1827–95, American ordnance engineer.**
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.370–
 374.....r 506 W27 v.13
- *Bennett, Sir James Risdon, 1809–91, English physician.**
 Royal Society of London. Proceedings. 1892. v.51,
 p.xli–xliii.....r 506 R81pr v.51
- *Bennett, John Hughes, 1812–75, English physician.**
 Bettany. Eminent doctors. 1885. v.2, p.209–216.....926.1 B46 v.2
- *Bentham, George, 1800–84, English botanist.**
 American Academy of Arts and Sciences. Proceedings. 1885. v.20,
 p.527–538.....qr 506 A5122p v.20
 Jackson. George Bentham. 1906.....92 B4442j
 Nature. 1884. v.30, p.539–543.....qr 505 N15 v.30
 Royal Society of London. Proceedings. 1885. v.38,
 p.i–v.....r 506 R81pr v.38
- Berge, Franz Schulze-. See Schulze-Berge, Franz.**
- *Berkeley, Miles Joseph, 1803–89, English botanist.**
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.226–232.....925.8 O23
 Royal Society of London. Proceedings. 1890. v.47,
 p.ix–xii.....r 506 R81pr v.47
- Bernard, Claude, 1813–78, French physiologist.**
 Foster. Claude Bernard. 1899.....92 B4562f
 Nature. 1878. v.17, p.304–305.....qr 505 N15 v.17
 Popular science monthly. 1878. v.13, p.742–744.....r 505 P81 v.13
 Stirling. Some apostles of physiology. 1902. p.101–105..qr 926.1 S86
- Berrian, Richard Milford, 1850–1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1909. v.62,
 p.550–551.....r 620.5 A51 v.62
- Bert, Paul, 1833–86, French physiologist.**
 Popular science monthly. 1888. v.33, p.401–407.....r 505 P81 v.33
- Berthelot, Pierre Eugène Marcellin, 1827–1907, French chemist.**
 Nature. 1907. v.75, p.512–514.....qr 505 N15 v.75
 Popular science monthly. 1885. v.27, p.113–116.....r 505 P81 v.27
 Ramsay. Essays, biographical and critical. 1908. p.101–114..540.4 R18
 Royal Society of London. Proceedings. 1908. v.80A,
 p.iii–x.....r 506 R81pr v.80A
 Smithsonian Institution. Annual report. 1907. v.62, pt.i, p.669–
 684.....r 506 S66 v.62, pt.i

- Berthollet**, Claud Louis, 1748–1822, *French chemist*.
 Roberts. Famous chemists. 1911. p.54–62.....925.4 R53
- Bertrand**, Joseph, 1823–1900, *French mathematician*.
 Nature. 1900. v.61, p.614–616.....qr 505 N15 v.61
- Berzelius**, Johan Jakob, 1779–1848, *Swedish chemist*.
 American journal of science. 1853–54. v.66, p.1–15, 173–186, 305–313; v.67, p.103–113.....r 505 A51 v.66–67
 Berzelius & Schönbein. Letters, 1836–1847; ed. by G. W. A. Kahlbaum, tr. by F. V. Darbishire and N. V. Sidgwick. 1900.....92 B465
 Berzelius & Wöhler. Briefwechsel zwischen J. Berzelius und F. Wöhler, mit einem kommentar von J. von Braun; hrsg. von O. Wallach. 2v. 1901.....r 540.4 B46
 Muir. Heroes of science. 1883. p.155–231.....925.4 M95
 Roberts. Famous chemists. 1911. p.88–98.....925.4 R53
- Bessels**, Emil, 1847–88, *German zoölogist and Arctic explorer*.
 Philosophical Society of Washington. Bulletin. 1888–91. v.11, p.465–466.....r 506 W27 v.11
- *Bessemer**, Sir Henry, 1813–98, *English engineer and metallurgist*.
 American Society of Mechanical Engineers. Transactions. 1898. v.19, p.881–964.....r 621.05 A5123 v.19
 Bessemer. Sir Henry Bessemer, F. R. S.; an autobiography, with a concluding chapter [by his son]. 1905.....q 92 B467
 Fortunes made in business. 1884. v.1, p.185–239.....926 F79 v.1
 Hennig. Buch berühmter ingenieure. 1911. p.168–195...926.2 H44
 Jeans. Creators of the age of steel. 1884. p.9–130.....926 J22
 Pratt. Notable masters of men. p.70–91.....920 P888
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der technik und industrie. 1910. v.2, p.271–293.....qr 609 V27 v.2
- *Beverley**, Charles James, 1788–1868, *English army surgeon and naturalist*.
 Royal Society of London. Proceedings. 1869. v.17, p.LXXXVII–LXXXVIII.....r 506 R81pr v.17
- Bianconi**, Charles, 1786–1875, *Italian coach builder*.
 Chambers's journal. 1878. v.55, p.337–340.....r 052 C35 v.55
 Smiles. Men of invention and industry. 1885. p.217–251...926 S64
- Bichat**, Marie François Xavier, 1771–1802, *French anatomist*.
 Stirling. Some apostles of physiology. 1902. p.77–78...qr 926.1 S86
- Biddle**, William Foster, 1834–1910, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.71, p.401–402.....r 620.5 A51 v.71
- Bigelow**, Henry Jacob, 1818–90, *American surgeon*.
 American Academy of Arts and Sciences. Proceedings. 1891. v.26, p.339–351.....qr 506 A5122p v.26
- Bigelow**, Jacob, 1787–1879, *American physician and botanist*.
 American Academy of Arts and Sciences. Proceedings. 1879. v.14, p.333–342.....qr 506 A5122p v.14
 Gray. Scientific papers. 1889. v.2, p.413–416.....580.4 G81s v.2

- *Bigsby, John Jeremiah, 1792–1881, *English geologist.***
 Royal Society of London. Proceedings. 1882. v.33,
 p.xvi–xvii.....r 506 R81pr v.33
- Billings, John Shaw, 1838–1913, *American surgeon and librarian.***
 Library journal. 1913. v.38, p.212–214.....r 020.5 L681 v.38
 New York (city)—Public library. Astor, Lenox and Tilden founda-
 tions. Bulletin. 1913. v.17, p.307–312, 511–533.....qr 017.1 N2611 v.17
 New York (city)—Public library. Astor, Lenox and Tilden founda-
 tions. Memorial meeting in honor of the late Dr John Shaw Billings,
 April 25, 1913. 1913.....qr 92 B483n
 Watson. Physicians and surgeons of America. 1896.
 p.20–21.....qr 926.1 W31
- *Binney, Edward William, 1812–81, *English geologist.***
 Nature. 1882. v.25, p.293–294.....qr 505 N15 v.25
- Biot, Jean Baptiste, 1774–1862, *French physicist.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.xxxv–xlII.....r 506 R81pr v.12
- Bischoff, Theodore Ludwig Wilhelm von, 1807–82, *German anatomist.***
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.458–459.....qr 506 A5122p v.18
- *Bishop, John, 1797–1873, *English surgeon.***
 Royal Society of London. Proceedings. 1873. v.21,
 p.v–vi.....r 506 R81pr v.21
- Bishop, Thomas Sparks, 1846–98, *American engineer.***
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.621.....r 620.5 A51 v.41
- *Black, Joseph, 1728–99, *Scottish chemist.***
 Brougham. Lives of men of letters and science. 1845–46. v.1,
 p.324–351.....qr 928 B77 v.1
 Muir. Heroes of science. 1883. p.30–52.....925.4 M95
 Nature. 1878. v.18, p.346–347.....qr 505 N15 v.18
 Ramsay. Essays, biographical and critical. 1908. p.67–87..540.4 R18
 Roberts. Famous chemists. 1911. p.9–12.....925.4 R53
 Stirling. Some apostles of physiology. 1902. p.65–66..qr 926.1 S86
- Blackwell, Charles, 1843–1906, *English engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.59,
 p.531–532.....r 620.5 A51 v.59
- Blainville, Henri Marie de Ducrotay de. *See Ducrotay de Blainville,***
 Henri Marie de.
- Blaisdell, Anthony Houghtaling, 1848–1905, *American engineer.***
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.464–465.....r 620.5 A51 v.56
- Blake, John Harrison, 1808–99, *American chemical manufacturer.***
 American Academy of Arts and Sciences. Proceedings. 1901. v.36,
 p.565–569.....qr 506 A5122p v.36

- Blake, William Phipps, 1826-1909, *American geologist and mining engineer.***
 American Institute of Mining Engineers. Transactions. 1910. v.41,
 p.851-864.....r 622.05 A51 v.41
- Blakiston, Peyton, 1801-77, *English physician and medical writer.***
 Royal Society of London. Proceedings. 1879. v.29,
 p.I-II.....r 506 R81pr v.29
- Blanchard, Thomas, 1788-1864, *American inventor.***
 Harper's monthly. 1881. v.63, p.254-260.....r 051 H28 v.63
 Howe. Lives of eminent mechanics. 1857. p.198-210.....926 H85
 Iles. Leading American inventors. 1912. p.104-118.....926 I22
- Blandy, John Frederic, 1833-1903, *American mining engineer.***
 American Institute of Mining Engineers. Transactions. 1904. v.34,
 p.740-742.....r 622.05 A51 v.34
- *Blanford, Henry Francis, 1834-93, *English meteorologist.***
 Royal Society of London. Proceedings. 1893. v.54,
 p.XII-XIX.....r 506 R81pr v.54
- *Blanford, William Thomas, 1832-1905, *English geologist and zoölogist.***
 Royal Society of London. Proceedings. 1907. v.79A,
 p.XXVII-XXXI.....r 506 R81pr v.79A
- Bock, Hieronymus, 1498-1554, *German naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.20-24.....925.7 M66
- Boerhaave, Hermann, 1668-1738, *Dutch physician.***
 Popular science monthly. 1895. v.47, p.110-120.....r 505 P81 v.47
 Stirling. Some apostles of physiology. 1902. p.53-54..qr 926.I S86
- Bogart, James Peter, 1852-1903, *American engineer.***
 American Society of Civil Engineers. Transactions. 1904. v.52,
 p.545-546.....r 620.5 A51 v.52
- Boileau, John Theophilus, 1805-86, *English meteorologist.***
 Royal Society of London. Proceedings. 1887. v.42,
 p.I-VII.....r 506 R81pr v.42
- Bois-Reymond, Emil Heinrich du. *See Du Bois-Reymond, Emil Hein-
 rich.***
- Boisbaudran, Lecoq de, 1838-1912, *French physical chemist.***
 Nature. 1912. v.90, p.255-256.....qr 505 N15 v.90
- Boissier, Edmond, 1810-85, *Swiss botanist.***
 Gray. Scientific papers. 1889. v.2, p.479-481.....580.4 G81s v.2
- Bolton, Henry Carrington, 1843-1903, *American chemist.***
 Popular science monthly. 1893. v.43, p.688-695.....r 505 P81 v.43
- Boltzmann, Ludwig, 1844-1906, *Austrian physicist.***
 Nature. 1906. v.74, p.569-570.....qr 505 N15 v.74
 Royal Society of London. Proceedings. 1908. v.80A,
 p.XI-XIII.....r 506 R81pr v.80A
- Bond, Frederick Winn, 1852-1903, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.51,
 p.452-453.....r 620.5 A51 v.51

- Bond, George Phillips, 1825-65, *American astronomer.***
 Holden. Memorials of William Cranch Bond and George Phillips Bond. 1897.....qr 92 B622h
- Bond, William Cranch, 1789-1859, *American astronomer.***
 Holden. Memorials of William Cranch Bond and George Phillips Bond. 1897.....qr 92 B622h
 Popular science monthly. 1895. v.47, p.400-408.....r 505 P81 v.47
 Youmans. Pioneers of science in America. 1896. p.223-233..925 Y35
- Bonnet, Charles, 1720-93, *Swiss entomologist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912. p.284-291.925.7 M66
- Booker, Bernard Frank, 1858-94, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20, p.183-185.....r 620.6 A51p v.20
- *Boole, George, 1815-64, *English mathematician.***
 Popular science monthly. 1880. v.17, p.840-842.....r 505 P81 v.17
 Royal Society of London. Proceedings. 1867. v.15, p.vi-xi.....r 506 R81p v.15
- Booth, James Curtis, 1810-88, *American chemist.***
 American Philosophical Society. Proceedings. 1888. v.25, p.204-211.....r 506 A512 v.25
 Popular science monthly. 1891. v.40, p.116-122.....r 505 P81 v.40
- Boott, Francis, 1792-1863, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.315-320.....580.4 G81s v.2
- Borelli, Giovanni Alfonso, 1608-79, *Italian physiologist.***
 Foster. Lectures on the history of physiology. 1901. p.62-83.612.09 F81
 Stirling. Some apostles of physiology. 1902. p.19-21..qr 926.1 S86
- Bort, Léon Philippe Teisserenc de. *See Teisserenc de Bort, Léon Philippe.***
- Boué, Ami, 1794-1881, *Austrian geologist.***
 Nature. 1881. v.25, p.109-111.....qr 505 N15 v.25
- *Boulton, Matthew, 1728-1809, *English engineer.***
 Howe. Lives of eminent mechanics. 1857. p.327-330.....926 H85
 Smiles. Lives of the engineers. 1874. p.113-384.....926 S641 v.4
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der technik und industrie. 1909. v.1, p.251-267.....qr 609 V27 v.1
- Bouscaren, Louis Gustave Frederic, 1840-1904, *West Indian engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.59, p.533-536.....r 620.5 A51 v.59
- Boussingault, Jean Baptiste, 1802-87, *French agricultural chemist.***
 Popular science monthly. 1888. v.33, p.836-841.....r 505 P81 v.33
- Boutelle, Charles Otis, 1813-90, *American geodetic surveyor.***
 American Academy of Arts and Sciences. Proceedings. 1891. v.26, p.351-353.....qr 506 A5122p v.26

- Boutelle, Charles Otis—continued.**
 Philosophical Society of Washington. Bulletin. 1888–91. v.11,
 p.466–470.....r 506 W27 v.11
- Bouvé, Thomas Tracy, 1815–96, *American geologist.***
 American Academy of Arts and Sciences. Proceedings. 1897. v.32,
 p.340–344.....qr 506 A5122p v.32
- Bowditch, Henry Ingersoll, 1808–1902, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.310–331.....qr 506 A5122p v.28
 Bowditch. Life and correspondence of Henry Ingersoll Bowditch,
 by his son, V. Y. Bowditch. 2v. 1902.....92 B6622
- Bowditch, Henry Pickering, 1840–1911, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1911. v.46,
 p.739–747.....qr 506 A5122p v.46
- Bowditch, Nathaniel, 1773–1838, *American mathematician.***
 American journal of science. 1839. v.35, p.1–46.....r 505 A51 v.35
 Bowditch, N. I. Memoir of Nathaniel Bowditch, by his son.
 1884.....q 92 B6623b
 Everett. Orations and speeches. 1892–95. v.2, p.262–267..308 E95 v.2
- Bowman, Amos, 1839–94, *American geologist.***
 Geological Society of America. Bulletin. 1895. v.6, p.441–
 443.....qr 550.5 B87 v.6
- *Bowman, Sir William, 1816–92, *English ophthalmic surgeon.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.403–405.....qr 506 A5122p v.28
 Bettany. Eminent doctors. 1885. v.2, p.261–267.....926.1 B46 v.2
 Royal Society of London. Proceedings. 1893. v.52,
 p.1–VII.....r 506 R81pr v.52
 Stirling. Some apostles of physiology. 1902. p.121–122..qr 926.1 S86
- *Boyce, Sir Rubert William, 1863–1911, *English pathologist.***
 Royal Society of London. Proceedings. 1911. v.84B,
 p.III–IX.....r 506 R81pr v.84B
- *Boyle, Robert, 1627–91, *English chemist.***
 Boyle. Works. 1772. v.1, p.6–218.....qr 508 B67 v.1
 Popular science monthly. 1893. v.42, p.548–553.....r 505 P81 v.42
 Ramsay. Essays, biographical and critical. 1908. p.19–30..540.4 R18
 Roberts. Famous chemists. 1911. p.6–8.....925.4 R53
 Stirling. Some apostles of physiology. 1902. p.39–40..qr 926.1 S86
 Thorpe. Essays in historical chemistry. 1894. p.1–27....925.4 T41
- *Bradley, James, 1693–1762, *English astronomer.***
 Ball. Great astronomers. 1895. p.187–199.....925.2 B21
- *Brady, Henry Bowman, 1835–91, *English naturalist.***
 Royal Society of London. Proceedings. 1892. v.50,
 p.x–XII.....r 506 R81pr v.50

- Brahe**, Tycho, 1546–1601, *Danish astronomer*.
 Ball. Great astronomers. 1895. p.44–66.....925.2 B2r
 Brewster. Martyrs of science. 1877. p.117–183.....925 B73
 Dreyer. Tycho Brahe; a picture of scientific life and work in the
 16th century. 1890.....92 B688d
 Lodge. Pioneers of science. 1893. p.33–55.....520.9 L76
 Morton. Heroes of science. 1882. p.63–87.....925.2 M92
 Nature. 1877. v.15, p.405–410.....qr 505 N15 v.15
- ***Bramah**, Joseph, 1748–1814, *English mechanical engineer*.
 Howe. Lives of eminent mechanics. 1857. p.350–354.....926 H85
 Smiles. Industrial biography. 1889. p.183–197.....926 S64i
- Bramwell**, Joseph Herbert, 1846–94, *English mining engineer*.
 American Institute of Mining Engineers. Transactions. 1894. v.24,
 p.749–751.....r 622.05 A51 v.24
- ***Brande**, William Thomas, 1788–1866, *English chemist and pharmacist*.
 Royal Society of London. Proceedings. 1868. v.16,
 p.II–VI.....r 506 R81pr v.16
- Brandis**, Sir Dietrich, 1824–1907, *German botanist*.
 Royal Society of London. Proceedings. 1908. v.80B,
 p.III–VI.....r 506 R81pr v.80B
- ***Brassey**, Thomas, 1805–70, *English railroad builder*.
 Helps. Life and labours of Mr Brassey, 1805–70. 1874....92 B714h
- Braun**, Alexander, 1805–76, *German botanist*.
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.325–326.....qr 506 A5122p v.12
 Gray. Scientific papers. 1889. v.2, p.403–405.....580.4 G81s v.2
- Bravais**, Auguste, 1811–63, *French astronomer and physicist*.
 Smithsonian Institution. Annual report. 1869. v.24, p.145–
 168.....r 506 S66 v.24
- Bréau**, Jean Louis Armand de Quatrefages de. *See Quatrefages de*
Bréau, Jean Louis Armand de.
- Breckinridge**, Cabell, 1846–1907, *American engineer*.
 American Society of Civil Engineers. Transactions. 1909. v.65,
 p.529–532.....r 620.5 A51 v.65
- Brehm**, Alfred, 1829–84, *German zoölogist*.
 Popular science monthly. 1885. v.27, p.263–267.....r 505 P81 v.27
- Brewer**, Thomas Mayo, 1814–80, *American ornithologist*.
 American Academy of Arts and Sciences. Proceedings. 1880. v.15,
 p.378–380.....qr 506 A5122p v.15
- ***Brewster**, Sir David, 1781–1868, *Scottish optician*.
 Littell's living age. 1859. v.62, p.3–7.....r 051 L74 v.62
 Popular science monthly. 1885. v.26, p.546–552.....r 505 P81 v.26
 Royal Society of London. Proceedings. 1869. v.17,
 p.LXIX–LXXIV.....r 506 R81pr v.17

- *Bridge, Thomas William, 1848-1909, English zoölogist.**
 Royal Society of London. Proceedings. 1909-10. v.82B,
 p.vii-x.....r 506 R81pr v.82B
- Bridges, Robert, 1806-82, American chemist.**
 American Philosophical Society. Proceedings. 1884. v.21, p.427-
 447.r 506 A512 v.21
- Briggs, Robert, 1822-82, American engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.542-545.....r 620.5 A51 v.36
- *Bright, Richard, 1789-1858, English physician.**
 Bettany. Eminent doctors. 1885. v.2, p.14-23.....926.1 B46 v.2
 Royal Society of London. Proceedings. 1859. v.10,
 p.i-iv.....r 506 R81pr v.10
- Brinckerhoff, Henry Waller, 1845-1909, American engineer.**
 American Society of Civil Engineers. Transactions. 1910. v.66,
 p.494-496.....r 620.5 A51 v.66
- *Brindley, James, 1716-72, English engineer.**
 Howe. Lives of eminent mechanics. 1857. p.298-313.....926 H85
 Journal of the Franklin Institute. 1829. v.7, p.1-5.....r 605 J46 v.7
 Smiles. Lives of the engineers. 1874. v.1, p.127-299...926 S641 v.1
- *Brinkley, John, 1763-1835, English astronomer.**
 Ball. Great astronomers. 1895. p.233-246.....925.2 B21
- *Brinton, William, 1823-67, English physician.**
 Royal Society of London. Proceedings. 1868. v.16,
 p.vi-viii.....r 506 R81pr v.16
- *Brisbane, Sir Thomas Macdougall, 1773-1860, Scottish astronomer.**
 Royal Society of London. Proceedings. 1862. v.11,
 p.iii-vii.....r 506 R81pr v.11
- *Bristowe, John Syer, 1827-95, English physician.**
 Royal Society of London. Proceedings. 1896. v.59,
 p.x-xii.....r 506 R81pr v.59
- *Broadbent, Sir William Henry, 1835-1907, English physician.**
 Royal Society of London. Proceedings. 1908. v.80B,
 p.vii-x.....r 506 R81pr v.80B
- Broca, Paul, 1824-80, French physician and anthropologist.**
 Popular science monthly. 1881. v.20, p.261-266.....r 505 P81 v.20
- *Broderip, William John, 1789-1859, English zoölogist.**
 Fraser's magazine. 1859. v.59, p.485-488.....r 052 F88 v.59
 Royal Society of London. Proceedings. 1859. v.10,
 p.iv-vii.....r 506 R81pr v.10
- Brodhead, Calvin Easton, 1846-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1908. v.60,
 p.579-580.....r 620.5 A51 v.60

- *Brodie, Sir Benjamin Collins, 1783-1862, English surgeon.**
 Bettany. Eminent doctors. 1885. v.1, p.286-303.....926.1 B46 v.1
 Holmes. Sir Benjamin Collins Brodie. 1898.....92 B763h
 Royal Society of London. Proceedings. 1863. v.12,
 p.XLII-LVI.....r 506 R81pr v.12
- Brongniart, Adolphe Théodore, 1801-76, French botanist.**
 Royal Society of London. Proceedings. 1879. v.28,
 p.IV-VII.....r 506 R81pr v.28
- Brooke, Charles, 1804-79, English surgeon and inventor.**
 Royal Society of London. Proceedings. 1880. v.30,
 p.I-II.....r 506 R81pr v.30
- *Brooke, Henry James, 1771-1857, English mineralogist.**
 Royal Society of London. Proceedings. 1857. v.9,
 p.41-44.....r 506 R81pr v.9
- Brooks, William Keith, 1848-1908, American zoölogist.**
 American Philosophical Society. Proceedings. 1908. v.47,
 p.III-X.....r 506 A512 v.47
 Jordan. Leading American men of science. 1910. p.427-455..925 J42
 Popular science monthly. 1899. v.55, p.400-409.....r 505 P81 v.55
- *Broun, John Allan, 1817-79, Scottish magnetician and meteorologist.**
 Nature. 1879. v.21, p.112-114.....qr 505 N15 v.21
 Royal Society of London. Proceedings. 1880. v.30,
 p.III-VII.....r 506 R81pr v.30
- *Brown, Sir John, 1816-96, English armor-plate manufacturer.**
 Fortunes made in business. 1884. v.1, p.241-287.....926 F79 v.1
 Jeans. Creators of the age of steel. 1884. p.269-299.....926 J22
- Brown, Linus Weed, 1856-1910, American engineer.**
 American Society of Civil Engineers. Transactions. 1910. v.70,
 p.470-472.....r 620.5 A51 v.70
- *Brown, Robert, 1773-1858, English botanist.**
 American journal of science. 1859. v.78, p.161-164...r 505 A51 v.78
 Gray. Scientific papers. 1889. v.2, p.283-286.....580.4 G81s v.2
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.108-125.....925.8 O23
 Royal Society of London. Proceedings. 1858. v.9,
 p.527-532.....r 506 R81pr v.9
- Brown-Séguard, Charles Édouard, 1817-94, French physician.**
 American Academy of Arts and Sciences. Proceedings. 1895. v.30,
 p.589-592.....qr 506 A5122p v.30
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.93-97.....r 925 N15 v.4
 Smithsonian Institution. Annual report. 1898. v.53, pt.1, p.677-
 696.....r 506 S66 v.53, pt.1
- *Brunel, Isambard Kingdom, 1806-59, English engineer.**
 Layson. Great engineers. p.296-304.....926 L44

- *Brunel, Isambard Kingdom—continued.**
 Royal Society of London. Proceedings. 1859. v.10,
 p.vii–xi.....r 506 R81pr v.10
- *Brunel, Sir Marc Isambard, 1769–1849, French-English engineer.**
 Pioneers of progress. [1910.] p.9–36.....926 P64
- Brunfels, Otto, 1484–1534, German naturalist.**
 Miall. Early naturalists; their lives and work (1530–1789). 1912
 p.17–19.925.7 M66
- Brush, George Jarvis, b. 1831, American mineralogist.**
 Popular science monthly. 1881. v.20, p.117–121.....r 505 P81 v.20
- Bryant, Gridley, 1798–1866, American railroad engineer.**
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.119–131.....r 926 S92
- Buch, Christian Leopold, freiherr von, 1774–1853, German geologist.**
 American journal of science. 1854. v.67, p.1–11.....r 505 A51 v.67
 Geikie. Founders of geology. 1905. p.245–254.....550.9 G21
 Smithsonian Institution. Annual report. 1862. v.17, p.358–
 372.....r 506 S66 v.17
- *Buchan, Alexander, 1829–1907, Scottish meteorologist.**
 Nature. 1907. v.76, p.83–84.....qr 505 N15 v.76
- *Buchanan, Sir George, 1831–95, English physician.**
 Royal Society of London. Proceedings. 1896. v.59,
 p.xli–xliv.....r 506 R81pr v.59
- Buck, Leffert Lefferts, 1837–1909, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.73
 p.493–497.....r 620.5 A51 v.73
- *Buckland, Francis Trevelyan, 1826–80, English naturalist.**
 Bolton. Famous men of science. 1889. p.396–426.....925 B61
 Popular science monthly. 1886. v.28, p.401–406.....r 505 P81 v.28
- *Buckland, William, 1784–1856, English geologist.**
 Jerdan. Men I have known. 1866. p.54–66.....r 920 J21
 Royal Society of London. Proceedings. 1856. v.8,
 p.264–268.....r 506 R81pr v.8
- Buckley, Ernest Robertson, 1872–1912, American geologist.**
 Geological Society of America. Bulletin. 1913. v.24, p.44–
 48.....qr 550.5 B87 v.24
- *Bucknill, Sir John Charles, 1817–97, English physician.**
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.130–131.....r 506 R81pr v.75
- *Buckton, George Bowdler, 1818–1905, English entomologist.**
 Royal Society of London. Proceedings. 1907. v.79A,
 p.xlv–xlviii.....r 506 R81pr v.79A
- *Budd, George, 1808–82, English physician.**
 Royal Society of London. Proceedings. 1883. v.34,
 p.i–iii.....r 506 R81pr v.34

- *Budd, William, 1811-80, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.125-130.....926.1 B46 v.2
- Buffon, Georges Louis Leclerc, comte de, 1707-88, *French naturalist.***
 Littell's living age. 1869. v.103, p.310-319.....r 051 L74 v.103
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.359-390.925.7 M66
- Bunbury, Sir Charles James Fox, 1809-86, *English paleontologist.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.XIII-XIV.....r 506 R81pr v.46
- Bunsen, Robert Wilhelm, 1811-99, *German chemist.***
 Chemical Society of London. Memorial lectures, 1893-1900. 1900.
 p.513-554.....925.4 C42
 Nature. 1881. v.23, p.597-600.....qr 505 N15 v.23
 Popular science monthly. 1881. v.19, p.550-553.....r 505 P81 v.19
 Roberts. Famous chemists. 1911. p.151-159.....925.4 R53
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.46-49.....r 506 R81pr v.75
 Science. 1899. v.33 (n. s. v.10), p.447-451.....qr 505 S41 v.33
- Burgess, Edward, 1848-91, *American naval architect.***
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.357-360.....qr 506 A5122p v.27
- Burns, Justin, 1870-1905, *American engineer.***
 American Society of Civil Engineers. Transactions. 1906. v.57,
 p.529-530.....r 620.5 A51 v.57
- *Burrows, Sir George, 1801-87, *English physician.***
 Royal Society of London. Proceedings. 1888. v.43,
 p.VI-VIII.....r 506 R81pr v.43
- Burton, Standish Barry, 1856-1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.55,
 p.444-445.....r 620.5 A51 v.55
- Bushnell, David, 1742-1824, *American inventor.***
 Howe. Lives of eminent mechanics. 1857. p.136-144.....926 H85
- Butler, Charles, d. 1647, *English naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.87-93.925.7 M66
- Butts, Elijah Polhill, 1856-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.129-131.....r 620.6 A51p v.18
- Buxton, Clifford, 1844-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.67,
 p.623-624.....r 620.5 A51 v.67
- Cabot, Samuel, 1815-85, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1886. v.21,
 p.517-519.....qr 506 A5122p v.21

- Cabot, Samuel, 1850–1906, *American chemical manufacturer.***
 American Academy of Arts and Sciences. Proceedings. 1908. v.4
 p.547–556.....qr 506 A5122p v.4
- *Caius, Joannes (Kaye or Key, John), 1510–73, *English physician and naturalist.***
 Bettany. Eminent doctors. 1885. v.1, p.13–23.....926.1 B46 v.
 Miall. Early naturalists; their lives and work (1530–1789). 191.
 p.79–84.925.7 Mf
- Caldwell, George Bowers, 1863–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.7
 p.498–499.....r 620.5 A51 v.7
- Caligny, Anatole François Hüe, marquis de, 1811–92, *French hydraulic engineer.***
 American Academy of Arts and Sciences. Proceedings. 1894. v.2
 p.452–460.qr 506 A5122p v.2
- Calvin, Samuel, 1840–1911, *Scottish geologist.***
 Geological Society of America. Bulletin. 1912. v.23,
 p.4–12.....qr 550.5 B87 v.23
- Campbell, Albert Johnstone, 1854–1907, *English engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.5
 p.563–564.....r 620.5 A51 v.5
- Campbell, Allan, 1815–95, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.2
 p.179–182.....r 620.6 A51p v.2
- Campbell, Charles Edward Henry, 1850–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1904. v.5
 p.547–549.....r 620.5 A51 v.5
- Candolle, Alphonse Louis Pierre Pyramus de, 1806–93, *Swiss botanist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.2
 p.406–411.....qr 506 A5122p v.2
 Candolle. Zur geschichte der wissenschaften. 1911. pref.
 p.7–11.....r 509 C
 Nature. 1893. v.48, p.269–271.....qr 505 N15 v.48
 Royal Society of London. Proceedings. 1895. v.57,
 p.xiv–xx.....r 506 R81pr v.57
- Candolle, Augustin Pyramus de, 1778–1841, *Swiss botanist.***
 American journal of science. 1842–43. v.42, p.217–227; v.44, p.21
 239.....r 505 A51 v.42,
 Gray. Scientific papers. 1889. v.2, p.289–309.....580.4 G81s v.2
 Smithsonian Institution. Annual report. 1859. v.14, p.271–
 283.....r 506 S66 v.14
- Canet, Gustave, 1846–1908, *French engineer.***
 American Society of Mechanical Engineers. Transactions. 190
 v.30, p.1208–1210.....r 621.05 A5123 v.30

- Cannizzaro, Stanislao, 1826-1910, Italian chemist.**
 Nature. 1897. v.56, p.1-4.....qr 505 N15 v.56
 Nature. 1910. v.83, p.343-344.....qr 505 N15 v.83
- Cardano, Girolamo, 1501-76, Italian physician.**
 Morley. Jerome Cardan; the life of Girolamo Cardano of Milan, physician. 2v. 1854.....92 C191m
- Carey, John, 1797-1880, English botanist.**
 Gray. Scientific papers. 1889. v.2, p.417-418.....580.4 G81s v.2
- Caritat, Marie Jean Antoine Nicolas, marquis de Condorcet. See Condorcet, Marie Jean Antoine Nicolas Caritat, marquis de.**
- Carlini, Francesco, 1783-1862, Italian astronomer.**
 Royal Society of London. Proceedings. 1863. v.12, p.LVI-LIX.....r 506 R81pr v.12
- Carnot, Lazare Nicolas Marguerite, comte, 1753-1823, French military engineer and mathematician.**
 Arago. Biographies of distinguished scientific men. 1857. p.287-361.....r 925 A65
- Carothers, Daniel Dawson, 1860-1909, American engineer.**
 American Society of Civil Engineers. Transactions. 1909. v.64, p.581-582.....r 620.5 A51 v.64
- Carpenter, Clarence Allan, 1846-99, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.71, p.403-404.....r 620.5 A51 v.71
- Carpenter, Franklin R. 1848-1910, American engineer.**
 American Institute of Mining Engineers. Transactions. 1910. v.41, p.869-875.....r 622.05 A51 v.41
- *Carpenter, Philip Herbert, 1852-91, English zoölogist.**
 Royal Society of London. Proceedings. 1892. v.51, p.xxxvi-xxxviii.....r 506 R81pr v.51
- *Carpenter, William Benjamin, 1813-85, English naturalist.**
 Carpenter. Nature and man. 1889. p.4-152.....504 C22
 Nature. 1885. v.33, p.83-85.....qr 505 N15 v.33
 Popular science monthly. 1886. v.28, p.538-544.....r 505 P81 v.28
 Royal Society of London. Proceedings. 1887. v.41, p.ii-ix.....r 506 R81pr v.41
- Carter, Henry John, 1813-95, English geologist and paleontologist.**
 Royal Society of London. Proceedings. 1895. v.58, p.liv-lvii.....r 506 R81pr v.58
- Carter, Robert Brudenell, b. 1828, English ophthalmic surgeon.**
 Bettany. Eminent doctors. 1885. v.2, p.267-272.....926.1 B46 v.2
- *Cartwright, Edmund, 1743-1823, English inventor, especially of improvements in cotton machinery.**
 Howe. Lives of eminent mechanics. 1857. p.336-342.....926 H85

- Cary, Edgar Sheldon, 1846-83, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.555-556.....r 620.5 A51 v.46
- *Casey, John, 1820-91, *Irish mathematician.***
 Royal Society of London. Proceedings. 1891. v.49,
 p.xxiv-xxv.....r 506 R81pr v.49
- Casey, Thomas Lincoln, 1831-96, *American engineer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.125-134.....r 925 N15 v.4
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.374-
 380.....r 506 W27 v.13
- Cass, George Washington, 1810-88, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.599-602.....r 620.5 A51 v.36
- Castillo, Antonio del, 1820-95, *Mexican geologist.***
 Geological Society of America. Bulletin. 1896. v.7, p.486-
 487.qr 550.5 B87 v.7
- Caswell, Alexis, 1799-1877, *American astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.307-313.....qr 506 A5122p v.12
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.6, p.363-372.....r 925 N15 v.6
 New England historical and genealogical register. 1877. v.31,
 p.253-262.....r 929 N26 v.31
- Cauchy, Augustin, 1789-1857, *French mathematician.***
 Royal Society of London. Proceedings. 1857. v.9,
 p.44-49.....r 506 R81pr v.9
- *Cavendish, Henry, 1731-1810, *English chemist.***
 Brougham. Lives of men of letters and science. 1845-46. v.1,
 p.429-447.....qr 928 B77 v.1
 Ramsay. Essays, biographical and critical. 1908. p.30-41..540.4 R18
 Roberts. Famous chemists. 1911. p.13-20.....925.4 R53
 Thorpe. Essays in historical chemistry. 1894. p.70-86..925.4 T41
 Wilson. Life of Henry Cavendish, including abstracts of his more
 important scientific papers. 1851.....r 92 C295w
- *Cayley, Arthur, 1821-95, *English mathematician.***
 Nature. 1883. v.28, p.481-485.....qr 505 N15 v.28
 Royal Society of London. Proceedings. 1895. v.58,
 p.i-xlIII.....r 506 R81pr v.58
- Cecil, Robert Arthur Talbot Gascoyne, *marquis of Salisbury.* See *Salis-*
*bury, Robert Arthur Talbot Gascoyne Cecil, marquis of.***
- Cesalpini, Andrea, 1519-1603, *Italian naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.36-39.925.7 M66
- *Chambers, William Frederic, 1786-1855, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.59-62.....926.1 B46 v.2

- Chandler, Charles F. b. 1836, *American chemist.***
 Popular science monthly. 1880. v.16, p.833-841.....r 505 P81 v.16
- Chanute, Octave, 1832-1910, *French-American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.483-489.....r 620.5 A51 v.74
- Chapin, James Henry, 1832-92, *American geologist.***
 Geological Society of America. Bulletin. 1893. v.4, p.406-
 408.....qr 550.5 B87 v.4
- Chapman, Daniel Currier, 1826-95, *American electrotyper and photographer.***
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.381-
 384.....r 506 W27 v.13
- Charcot, Jean Martin, 1825-93, *French physician.***
 Popular science monthly. 1894. v.44, p.693-696.....r 505 P81 v.44
- Chase, William Beverley, 1852-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.63,
 p.429-430.....r 620.5 A51 v.63
- Chasles, Michel, 1793-1880, *French geometrician.***
 Nature. 1881. v.23, p.225-227.....qr 505 N15 v.23
 Popular science monthly. 1881. v.18, p.840-842.....r 505 P81 v.18
 Royal Society of London. Proceedings. 1881. v.32,
 p.I-III.....r 506 R81pr v.32
- Chauvenet, William, 1820-70, *American mathematician.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.I, p.227-244.....r 925 N15 v.I
- Cheever, Byron William, 1841-88, *American metallurgist.***
 American Institute of Mining Engineers. Transactions. 1888. v.16,
 p.888-890.....r 622.05 A51 v.16
- Cheney, John Eugene, 1847-1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.59,
 p.537-539.....r 620.5 A51 v.59
- Chesbrough, Ellis Sylvester, 1813-86, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.160-163.....r 620.6 A51p v.15
- Chevreul, Michel Eugène, 1786-1889, *French chemist.***
 American Academy of Arts and Sciences. Proceedings. 1889. v.24,
 p.452-457.....qr 506 A5122p v.24
 Popular science monthly. 1885. v.27, p.548-552.....r 505 P81 v.27
 Popular science monthly. 1886. v.30, p.33-40.....r 505 P81 v.30
- Childe, John, 1802-58, *American civil engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.177-194.....r 926 S92
- Chittenden, Russell Henry, b. 1856, *American physiological chemist.***
 Popular science monthly. 1898. v.53, p.115-121.....r 505 P81 v.53
- *Christie, Samuel Hunter, 1784-1865, *English mathematician.***
 Royal Society of London. Proceedings. 1867. v.15,
 p.xi-xiv.....r 506 R81pr v.15

- *Christison, Sir Robert, 1797–1882, Scottish physician.**
 Bettany. Eminent doctors. 1885. v.2, p.286–291.....926.1 B46 v.2
 Christison. Life; ed. by his sons. 2v. 1885–86.....92 C4612
 Knight. Some nineteenth century Scotsmen. 1903. p.49–51..920 K34
- Church, George Earl, 1835–1910, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.405–407.....r 620.5 A51 v.71
- Cisneros, Francisco Javier, 1836–98, Cuban engineer.**
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.622–625.....r 620.5 A51 v.41
- Clapp, Lorenzo Russell, 1843–1902, American engineer.**
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.341–342.....r 620.5 A51 v.49
- Clapp, William Billings, 1861–1911, American engineer.**
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1148–1150.....r 620.5 A51 v.75
- Clark, Alvan, 1804–87, American optician and maker of telescopes.**
 American Academy of Arts and Sciences. Proceedings. 1888. v.23,
 p.315–317.....qr 506 A5122p v.23
- Clark, Alvan Graham, 1832–97, American optician and maker of telescopes.**
 American Academy of Arts and Sciences. Proceedings. 1898. v.33,
 p.520–524.....qr 506 A5122p v.33
- *Clark, Sir Andrew, 1826–93, English physician.**
 Eminent persons. 1897. v.6, p.64–67.....920 E588 v.6
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.121–123.....r 506 R81pr v.75
- Clark, David Kinnear, d. 1896, Scottish mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1896.
 v.17, p.743–744.....r 621.05 A5123 v.17
- Clark, Frederick Le Gros, 1811–92, English surgeon.**
 Royal Society of London. Proceedings. 1894. v.56,
 p.I–III.....r 506 R81pr v.56
- Clark, George Bassett, 1827–91, American optician, maker of telescopes.**
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.360–363.....qr 506 A5122p v.27
- Clark, Henry James, 1826–73, American zoölogist.**
 American Academy of Arts and Sciences. Proceedings. 1874. v.9,
 p.328–330.....qr 506 A5122p v.9
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.1, p.317–328.....r 925 N15 v.1
- *Clarke, Charles Baron, 1832–1906, English botanist.**
 Nature. 1906. v.74, p.495.....qr 505 N15 v.74
 Royal Society of London. Proceedings. 1907. v.79A,
 p.XLIX–LVI.....r 506 R81pr v.79A

- Clarke, Edward Hammond, 1820-77, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1878. v.13,
 p.437-439.....qr 506 A512ap v.13
- Clarke, Frank Wigglesworth, b. 1847, *American chemist.***
 Popular science monthly. 1898. v.54, p.110-117.....r 505 P81 v.54
- Clarke, Henry Wadsworth, 1837-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.93-94.....r 620.6 A51p v.18
- Clarke, Thomas Curtis, 1827-1901, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.50,
 p.495-499.....r 620.5 A51 v.50
- *Clarke, William Branwhite, 1798-1878, *English geologist.***
 Royal Society of London. Proceedings. 1879. v.28,
 p.I-IV.....r 506 R81pr v.28
- Claudet, Antoine François Jean, 1797-1867, *French photographer.***
 Royal Society of London. Proceedings. 1869. v.17,
 p.LXXXV-LXXXVII.....r 506 R81pr v.17
- Clausius, Rudolf Julius Emanuel, 1822-88, *German physicist.***
 American Academy of Arts and Sciences. Proceedings. 1889. v.24,
 p.458-465.....qr 506 A512ap v.24
 American Society of Mechanical Engineers. Transactions. 1889.
 v.10, p.842-845.....r 621.05 A5123 v.10
 Nature. 1888. v.38, p.438-439.....qr 505 N15 v.38
 Popular science monthly. 1889. v.35, p.117-121.....r 505 P81 v.35
 Royal Society of London. Proceedings. 1890. v.48,
 p.I-VIII.....r 506 R81pr v.48
- Claypole, Edward Waller, 1835-1901, *English geologist.***
 Geological Society of America. Bulletin. 1901. v.13, p.487-
 497.....qr 550.5 B87 v.13
- Cleeman, Thomas Mutter, 1843-93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.69-72.....r 620.6 A51p v.20
- Clemens, Ernest Victor, 1855-93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.161-162.....r 620.6 A51p v.20
- Clement, Joseph, 1779-1844, *English mechanical engineer.***
 Smiles. Industrial biography. 1889. p.236-257.....926 S64i
- Cleverdon, Henry Lawrence, 1869-1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.50,
 p.507-509.....r 620.5 A51 v.50
- *Clifford, William Kingdon, 1845-79, *English mathematician.***
 Eminent persons. 1893. v.2, p.146-161.....920 E588 v.2
 Nature. 1879. v.19, p.443-444.....qr 505 N15 v.19
 Popular science monthly. 1879. v.15, p.258-264.....r 505 P81 v.15
- Clinton, George W. 1807-85, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.475-478.....580.4 G81s v.2

- Cloizeaux**, Alfred Louis Olivier Le Grand des. *See Des Cloizeaux*, Alfred Louis Olivier Le Grand.
- ***Clowes**, William, 1779-1847, *English printer*.
Smiles. Men of invention and industry. 1885. p.205-216...926 S64
- Cobb**, Robert Linah, 1840-95, *American engineer*.
American Society of Civil Engineers. Transactions. 1896. v.36, p.545-546.....r 620.5 A51 v.36
- ***Cobbold**, Thomas Spencer, 1828-86, *English physician*.
Bettany. Eminent doctors. 1885. v.2, p.254-259.....926.I B46 v.2
- Coffin**, Freeman Clarke, 1856-1906, *American engineer*.
American Society of Civil Engineers. Transactions. 1907. v.58, p.532-533.....r 620.5 A51 v.58
- Coffin**, James Henry, 1806-73, *American meteorologist*.
National Academy of Sciences. Biographical memoirs. 1877-1909. v.1, p.257-264.....r 925 N15 v.1
Popular science monthly. 1873. v.3, p.503-508.....r 505 P81 v.3
Youmans. Pioneers of science in America. 1896. p.447-457..925 Y35
- Cohnheim**, Julius Friedrich, 1839-84, *German pathologist*.
Cohnheim. Lectures on general pathology. 1889-90. v.1, p.9-15.....r 616 C66 v.1
- Colburn**, Warren, 1824-79, *American engineer*.
American Society of Civil Engineers. Proceedings. 1880. v.6, p.4-6.....r 620.6 A51p v.6
- Colburn**, Zerah, 1832-70, *American engineer*.
American Society of Civil Engineers. Proceedings. 1896. v.22, p.97-101.....r 620.6 A51p v.22
- Colladon**, Jean Daniel, 1802-93, *Swiss physicist and engineer*.
Nature. 1893. v.48, p.396-397.....qr 505 N15 v.48
- Collins**, Arthur Launcelot, 1868-1902, *English mining engineer*.
American Institute of Mining Engineers. Transactions. 1904. v.34, p.835-838.....r 622.05 A51 v.34
- Colman**, Isaac D. 1818-75, *American engineer*.
American Society of Civil Engineers. Proceedings. 1875. v.1, p.331-332.....r 620.6 A51p v.1
- Comfort**, Silas Gildersleeve, 1863-1910, *American engineer*.
American Society of Civil Engineers. Transactions. 1911. v.71, p.452-453.....r 620.5 A51 v.71
- ***Common**, Andrew Ainslie, 1841-1903, *English astronomer*.
Popular astronomy. 1903. v.11, p.367-368.....qr 520.5 P81 v.11
Royal Society of London. Proceedings. 1904-05. v.75, p.313-318.....r 506 R81pr v.75
- Condorcet**, Marie Jean Antoine Nicolas Caritat, *marquis de*, 1743-94, *French mathematician and philosopher*.
Fortnightly review. 1870. v.13, p.16-40, 129-151.....r 052 F79 v.13
Morley. Critical miscellanies. 1892-93. v.2, p.163-255..824 M91 v.2

- Condorcet, Marie Jean Antoine Nicolas Caritat, *marquis de—continued.***
 Smithsonian Institution. Annual report. 1878. v.33, p.180-235.....r 506 S66 v.33
- Connor, Addison, 1847-91, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36, p.551.....r 620.5 A51 v.36
- *Conolly, John, 1794-1866, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.221-231.....926.1 B46 v.2
- Conrad, Timothy Abbott, 1803-77, *American naturalist.***
 Popular science monthly. 1895. v.47, p.257-263.....r 505 P81 v.47
 Youmans. Pioneers of science in America. 1896. p.385-393..925 Y35
- Conroy, Sir John, 1845-1900, *English physicist.***
 Royal Society of London. Proceedings. 1904-05. v.75, p.246-252.....r 506 R81pr v.75
- *Conybeare, William Daniel, 1787-1857, *English geologist.***
 Royal Society of London. Proceedings. 1857. v.9, p.50-52.....r 506 R81pr v.9
- *Coode, Sir John, 1816-92, *English engineer.***
 American Society of Mechanical Engineers. Transactions. 1892. v.13, p.678-679.....r 621.05 A5123 v.13
- Cook, George Hammell, 1818-89, *American chemist.***
 American Institute of Mining Engineers. Transactions. 1889. v.18, p.218-222.....r 622.05 A51 v.18
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.4, p.135-144.....r 925 N15 v.4
- Cooke, Josiah Parsons, 1827-94, *American chemist.***
 American Academy of Arts and Sciences. Proceedings. 1894. v.30, p.513-547.....qr 506 A5122p v.30
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.4, p.175-183.....r 925 N15 v.4
 Popular science monthly. 1877. v.10, p.491-495.....r 505 P81 v.10
- Cooke, Robert Latimer, 1809-77, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1878. v.4, p.66-67.....r 620.6 A51p v.4
- *Cooke, Sir William Fothergill, 1806-79, *English physicist and electrician.***
 Munro. Heroes of the telegraph. 1891. p.273-277.....925 M96
- *Cooper, Sir Astley Paston, 1768-1841, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.202-226.....926.1 B46 v.1
- Cooper, Edward, 1824-1905, *American metallurgist.***
 American Institute of Mining Engineers. Transactions. 1906. v.37, p.349-356.....r 622.05 A51 v.37
- Cooper, Peter, 1791-1883, *American inventor, manufacturer and philanthropist.***
 Goddard. Eminent engineers. 1906. p.101-109.....926 G54

- Cope, Edward Drinker, 1840-97, *American naturalist.***
 American Association for the Advancement of Science. Proceedings. v.46, p.1-30.....r 506 A51 v.46
 Geological Society of America. Bulletin. 1898. v.9, p.401-408.....qr 550.5 B87 v.9
 Jordan. Leading American men of science. 1910. p.313-340. .925 J42
 Popular science monthly. 1881. v.19, p.110-113.....r 505 P81 v.19
- Copeland, Charles W. 1815-95, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1895. v.16, p.1191-1192.....r 621.05 A5123 v.16
- Copernicus, 1473-1543, ^{Polish} *German astronomer.***
 Ball. Great astronomers. 1895. p.30-43.....925.2 B21
 Lodge. Pioneers of science. 1893. p.5-31.....520.9 L76
 Morton. Heroes of science. 1882. p.32-62.....925.2 M92
 Nasmyth. Makers of modern thought. 1892. v.1, p.47-52. 921 N14 v.1
 Popular science monthly. 1891. v.39, p.256-261.....r 505 P81 v.39
 Popular science monthly. 1904. v.65, p.109-131.....r 505 P81 v.65
 Walsh. Catholic churchmen in science. 1906. v.1, p.15-41.....509 W18 v.1
- Cornu, Marie Alfred, 1841-1902, *French physicist.***
 Poincaré. Savants et écrivains. p.103-124.....925 P74
 Royal Society of London. Proceedings. 1904-05. v.75, p.184-188.....r 506 R81pr v.75
- Correa, Edward Arnold, *West Indian engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.45, p.621-623.....r 620.5 A51 v.45
- *Corrigan, Sir Dominic John, 1802-80, *Irish physician.***
 Bettany. Eminent doctors. 1885. v.2, p.155-159.....926.1 B46 v.2
- *Cort, Henry, 1740-1800, *English iron manufacturer.***
 Smiles. Industrial biography. 1889. p.114-128.....926 S64i
- Coryell, Martin, 1815-86, *American engineer.***
 American Institute of Mining Engineers. Transactions. 1887. v.15, p.599-601.....r 622.05 A51 v.15
 American Society of Civil Engineers. Proceedings. 1889. v.15, p.133-135.....r 620.6 A51p v.15
- Coues, Elliott, 1842-99, *American ornithologist.***
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.6, p.395-446.....r 925 N15 v.6
- Coulomb, Charles Augustin de, 1736-1806, *French physicist.***
 Munro. Pioneers of electricity. 1890. p.79-85.....925 M96p
 Potamian. Makers of electricity. 1909. p.188-204.....925 P84
- Covode, James Henry, 1858-1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.72, p.589-590.....r 620.5 A51 v.72

- Coxe, Eckley Brinton, 1839–95, *American engineer.***
 American Institute of Mining Engineers. Transactions. 1895. v.25,
 p.446–476.....r 622.05 A51 v.25
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.552–554.....r 620.5 A51 v.36
 American Society of Mechanical Engineers. Transactions. 1895.
 v.16, p.1182–1186.....r 621.05 A5123 v.16
- Craighill, William Price, 1833–1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.65,
 p.517–524.....r 620.5 A51 v.65
- Craigin, Henry Adams, 1867–96, *American electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1896.
 v.13, p.443–444.....r 621.305 A512 v.13
- Cramp, Charles Henry, b. 1828, *American naval architect and ship-builder.***
 Buell. Memoirs of Charles H. Cramp. 1906.....92 C865b
- Crawford, James Ludovic Lindsay, 1847–1913, *English astronomer.***
 Nature. 1913. v.90, p.652–653.....qr 505 N15 v.90
- *Crawshay, Robert Thompson, 1817–79, *English iron manufacturer.***
 Smiles. Industrial biography. 1889. p.128–132.....926 S46i
- Cremona, Luigi, 1830–1903, *Italian mathematician.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.277–279.....r 506 R81pr v.75
- *Crichton, Sir Alexander, 1763–1856, *Scottish physician.***
 Royal Society of London. Proceedings. 1856. v.8,
 p.269–272.....r 506 R81pr v.8
- Croes, John James Robertson, 1834–1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.524–531.....r 620.5 A51 v.58
- *Croll, James, 1821–90, *Scottish geologist.***
 Popular science monthly. 1897. v.51, p.544–552.....r 505 P81 v.51
- *Crompton, Samuel, 1753–1827, *English mechanical engineer.***
 Howe. Lives of eminent mechanics. 1857. p.249–253.....926 H85
- Crookes, Sir William, b. 1832, *English physicist and chemist.***
 Nature. 1907. v.77, p.1–3.....qr 505 N15 v.77
- Crosby, Wilson, 1834–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.67,
 p.625–627.....r 620.5 A51 v.67
- Crum, Walter, 1796–1867, *English chemist.***
 Royal Society of London. Proceedings. 1868. v.16,
 p.viii–x.....r 506 R81pr v.16
- *Cullen, William, 1712–90, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.87–99.....926.1 B46 v.1
- Cullum, George W. 1809–92, *American military engineer.***
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.416–421.....qr 506 A5122p v.27

- Cunningham, John Miller, 1865–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.54, pt.7, p.537.....r 620.5 A51 v.54, pt.7
- Cunningham, Paul Davis, 1869–1901, *American engineer.***
 American Society of Civil Engineers. Transactions. 1904. v.52, p.556–557.....r 620.5 A51 v.52
- Curling, Thomas Blizard, 1811–88, *English surgeon.***
 Royal Society of London. Proceedings. 1888. v.44, p.xxv–xxvi.....r 506 R81pr v.44
- Curtis, George Edward, 1861–95, *American meteorologist.***
 Philosophical Society of Washington. Bulletin. 1897. v.13, p.384–387.....r 506 W27 v.13
- Curtis, Moses Ashley, 1808–72, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.351–353.....580.4 G81s v.2
 Popular science monthly. 1889. v.34, p.405–410.....r 505 P81 v.34
- Curtis, William Giddings, 1849–1900, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.45, p.624–626.....r 620.5 A51 v.45
- Cushing, Samuel Barrett, 1846–88, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49, p.343–344.....r 620.5 A51 v.49
- Cutshaw, Wilfred Emory, 1838–1907, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71, p.408–410.....r 620.5 A51 v.71
- Cuvier, Georges Léopold Chrétien Dagobert, baron, 1769–1832, *French naturalist.***
 American journal of science. 1833. v.23, p.303–311...r 505 A51 v.23
 Bolton. Famous men of science. 1889. p.65–80.....925 B61
 Geikie. Founders of geology. 1905. p.363–377.....550.9 G28
 Knox. Great artists and great anatomists. 1852.....925 K35
 Lee. Memoirs of Baron Cuvier. 1833.....92 C957l
 Smithsonian Institution. Annual report. 1868. v.23, p.121–140.....r 506 S66 v.23
- Czermak, Johann Nepomuk, 1828–73, *Austrian physiologist.***
 Nature. 1873. v.9, p.63–64.....qr 505 N15 v.9
- Dallinger, William Henry, 1842–1909, *English microscopist.***
 Royal Society of London. Proceedings. 1909–10. v.82B, p.IV–VI.....r 506 R81pr v.82B
- *Dalton, John, 1766–1844, *English chemist, author of the atomic theory.***
 Henry. Memoirs of the life and scientific researches of John Dalton. 1854.....r 92 D175h
 Millington. John Dalton. 1906.....92 D175m
 Muir. Heroes of science. 1883. p.107–154.....925.4 M95
 Popular science monthly. 1910. v.76, p.500–512.....r 505 P81 v.76
 Roberts. Famous chemists. 1911. p.63–71.....925.4 R53

***Dalton, John—continued.**

Roscoe. John Dalton and the rise of modern chemistry. 1895.92 D175r

Dalton, John Call, 1825–89, American physician.

American Academy of Arts and Sciences. Proceedings. 1889. v.24, p.445–447.qr 506 A5122p v.24

National Academy of Sciences. Biographical memoirs. 1877–1909. v.3, p.177–185.r 925 N15 v.3

Dana, James Dwight, 1813–95, American geologist.

Geological Society of America. Bulletin. 1896. v.7, p.461–479.qr 550.5 B87 v.7

Geological Society of America. Bulletin. 1913. v.24, p.55–69.qr 550.5 B87 v.24

Gilman. The life of James Dwight Dana, scientific explorer, mineralogist, geologist, professor in Yale University. 1899.92 D194g

Jordan. Leading American men of science. 1910. p.233–268. .925 J42

Royal Society of London. Proceedings. 1895. v.58, p.LVII–LX.r 506 R81pr v.58

Science. 1896. v.26 (n. s. v.3), p.181–185.qr 505 S41 v.26

Dana, Samuel Luther, 1795–1868, American chemist.

Popular science monthly. 1896. v.49, p.692–697.r 505 P81 v.49

Youmans. Pioneers of science in America. 1896. p.311–318. .925 Y35

***Darby, Abraham, 1750–91, English iron manufacturer.**

Smiles. Industrial biography. 1889. p.77–84.926 S64i

Darling, Edward A. 1865–1903, American engineer.

American Society of Mechanical Engineers. Transactions. 1903. v.24, p.1542–1544.r 621.05 A5123 v.24

***Darwin, Charles, 1809–82, English naturalist, founder of the biological theory of evolution.**

Allen. Charles Darwin. 1893.92 D268a

American Academy of Arts and Sciences. Proceedings. 1882. v.17, p.449–458.qr 506 A5122p v.17

American Philosophical Society. Proceedings. 1909. v.48, p.III–LVII.r 506 A512 v.48

Bettany. Life of Charles Darwin. 1887.92 D268b

Bolton. Famous men of science. 1889. p.347–395.925 B61

Clodd. Pioneers of evolution. 1897. p.116–161.925 C61

Darwin. More letters of Charles Darwin; a record of his work in a series of hitherto unpublished letters. 2v. 1903.92 D268m

Darwin, Francis. Charles Darwin; his life told in an autobiographical chapter and in a selected series of his published letters. 1893.92 D268d

Darwin, Francis. Life and letters of Charles Darwin. 2v. 1891. .92 D268

Eminent persons. 1893. v.3, p.I–II.920 E588 v.3

Fiske. Excursions of an evolutionist. 1883. p.337–369.814 F54

Griswold. Personal sketches of recent authors. 1898. p.54–77. .928 G93

Holder. Charles Darwin; his life and work. 1892.92 D268h

Huxley. Darwiniana. 1897. p.253–302.575 H98

- *Darwin, Charles—continued.**
 Nature. 1874. v.10, p.79-81.....qr 505 N15 v.10
 Nature. 1882. v.26, p.49-51, 73-75, 97-100, 145-147, 169-
 171.....qr 505 N15 v.26
 Popular science monthly. 1882. v.21, p.260-265.....r 505 P81 v.21
 Popular science monthly. 1909. v.74, p.315-406.....r 505 P81 v.74
 Royal Society of London. Proceedings. 1888. v.44,
 p.I-XXV.....r 506 R81pr v.44
 Seward. Darwin and modern science. 1909.....575 S51
 Warner classics. 1899. v.1, p.13-34.....928 W23w v.1
 Woodberry. Makers of literature. 1900. p.350-370.....820.4 W85
- Darwin, Erasmus, 1731-1802, English physician.**
 Cary. Lives of English poets. 1846. p.246-272.....928 C24
 Hitchman. Eighteenth century studies. 1881. p.360-386..920 H62
 Krause. Erasmus Darwin, with a preliminary notice by Charles
 Darwin. 1880.....92 D268rk
- Darwin, Sir George Howard, 1845-1912, English mathematician and
 meteorologist.**
 Nature. 1912. v.90, p.413-415.....qr 505 N15 v.90
- *Daubeny, Charles Giles Bridle, 1795-1867, English geologist and botanist.**
 Royal Society of London. Proceedings. 1869. v.17,
 p.LXXIV-LXXX.....r 506 R81pr v.17
- Daubrée, Gabriel Auguste, 1814-96, French geologist.**
 American Institute of Mining Engineers. Transactions. 1896. v.26,
 p.823-827.....r 622.05 A51 v.26
- Davenport, Russell Wheeler, 1849-1904, American metallurgist.**
 American Society of Mechanical Engineers. Transactions. 1904.
 v.25, p.1127-1129.....r 621.05 A5123 v.25
- Davenport, Thomas, 1802-51, American electrician.**
 Vermont Historical Society. Proceedings. 1900. p.59-81..r 974.3 V273p
- Davidson, Matthias O. 1819-72, American engineer.**
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.56-57.....r 620.6 A51p v.19
- *Davidson, Thomas, 1817-85, Scottish paleontologist.**
 Royal Society of London. Proceedings. 1886. v.39,
 p.VIII-XI.....r 506 R81pr v.39
- Davies, Charles, 1797-1876, American mathematician.**
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.320-321.....qr 506 A5122p v.12
- Davis, Charles, 1837-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.411-412.....r 620.5 A51 v.71
- Davis, Charles Henry, 1807-77, American hydrographer.**
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.313-320.....qr 506 A5122p v.12
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.23-55.....r 925 N15 v.4

- Davis, Edward F. C. 1847-95, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1895.
 v.16, p.1177-1181.r 621.05 A5123 v.16
- Davis, Frank Leslie, 1858-1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.73,
 p.500.r 620.5 A51 v.73
- Davis, John Woodbridge, 1854-1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.370-372.r 620.5 A51 v.49
- *Davy, Sir Humphry, 1778-1829, *English chemist.***
 Bolton. Famous men of science. 1889. p.139-166.925 B61
 Brougham. Lives of men of letters and science. 1845-46. v.1,
 p.448-466.qr 928 B77 v.1
 Davy. Collected works. 1839-40. v.1.r 508 D32 v.1
 Davy. Fragmentary remains, literary and scientific, with a sketch
 of his life and selections from his correspondence; ed. by John Davy.
 1858.92 D327
 Muir. Heroes of science. 1883. p.155-231.925.4 M95
 Munro. Pioneers of electricity. 1890. p.105-138.925 M96p
 Ostwald. Grosse männer. 1909. p.21-60.925 O29
 Popular science monthly. 1879. v.14, p.813-816.r 505 P81 v.14
 Ramsay. Essays, biographical and critical. 1908. p.42-56. 540.4 R18
 Roberts. Famous chemists. 1911. p.72-83.925.4 R53
 Thorpe. Humphry Davy, poet and philosopher. 1896.92 D327t
- *Davy, John, 1790-1868, *English physiologist and anatomist, brother of
 Sir Humphry Davy.***
 Royal Society of London. Proceedings. 1868. v.16,
 p.LXXIX-LXXXI.r 506 R81pr v.16
- Dawley, Edwin Peleg, 1853-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.413-414.r 620.5 A51 v.71
- Dawson, George Mercer, 1849-1901, *Canadian geologist.***
 Geological Society of America. Bulletin. 1901. v.13,
 p.497-509.qr 550.5 B87 v.13
- *Dawson, Sir John William, 1820-99, *Canadian geologist.***
 Dawson. Fifty years of work in Canada. 1901.92 D332
 Geological Society of America. Bulletin. 1900. v.11,
 p.550-580.qr 550.5 B87 v.11
 Journal of geology. 1899. v.7, p.727-736.r 550.5 J46 v.7
 Popular science monthly. 1875. v.8, p.231-234.r 505 P81 v.8
- Deacon, Henry, 1822-76, *English chemical manufacturer.***
 Allen. Some founders of the chemical industry. 1906.
 p.153-198.926.6 A42
- Dean, John, 1831-87, *American physiologist.***
 American Academy of Arts and Sciences. Proceedings. 1888. v.23,
 p.319-320.qr 506 A5122p v.23

- Deans, Charles Herbert, 1863–1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.68,
 p.482–484. r 620.5 A51 v.68
- Dearborn, William Lee, 1812–75, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1875. v.1,
 p.330–331. r 620.6 A51p v.1
- Decaisne, Joseph, 1807–82, *Belgian botanist.***
 American Academy of Arts and Sciences. Proceedings. 1882. v.17,
 p.458–459. qr 506 A5122p v.17
 Nature. 1882. v.25, p.390–391. qr 505 N15 v.25
 Royal Society of London. Proceedings. 1883. v.34,
 p.III–VI. r 506 R81pr v.34
- *De la Beche, Sir Henry Thomas, 1796–1855, *English geologist.***
 Fraser's magazine. 1855. v.51, p.694–699. r 052 F88 v.51
 Royal Society of London. Proceedings. 1855. v.7,
 p.582–586. r 506 R81pr v.7
- Delambre, Jean Baptiste Joseph, 1749–1822, *French astronomer.***
 Smithsonian Institution. Annual report. 1864. v.19,
 p.125–134. r 506 S66 v.19
- *De la Rue, Warren, 1815–89, *English astronomer.***
 Nature. 1889. v.40, p.26–28. qr 505 N15 v.40
- Delaunay, Charles Eugène, 1816–72, *French astronomer.***
 Royal Society of London. Proceedings. 1876. v.24,
 p.VII–IX. r 506 R81pr v.24
- *De Morgan, Augustus, 1806–71, *English mathematician and logician.***
 De Morgan, Mrs S. E. Memoir of Augustus De Morgan, with selec-
 tions from his letters. 1882. 92 D422d
 Nature. 1871. v.3, p.409–410. qr 505 N15 v.3
- Denham, Henry Mangles, 1800–87, *English nautical surveyor.***
 Royal Society of London. Proceedings. 1888. v.43,
 p.I–II. r 506 R81pr v.43
- Derby, George, 1819–74, *American physician and sanitarian.***
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.478–480. qr 506 A5122p v.10
- Descartes, René, 1596–1650, *French mathematician and philosopher.***
 Lodge. Pioneers of science. 1893. p.137–158. 520.9 L76
 Popular science monthly. 1890. v.37, p.833–840. r 505 P81 v.37
 Stirling. Some apostles of physiology. 1902. p.25–28. qr 926.1 S86
- Des Cloizeaux, Alfred Louis Olivier Le Grand, 1817–97, *French crystal-
 lographer.***
 Royal Society of London. Proceedings. 1898. v.63,
 p.XXV–XXVIII. r 506 R81pr v.63
- Desmarest, Nicholas, 1725–1815, *French geologist.***
 Geikie. Founders of geology. 1905. p.141–175. 550.9 G28

- Desor, Edouard, 1811-82, German geologist.**
 American Academy of Arts and Sciences. Proceedings. 1882. v.17, p.422-424.....qr 506 A5122p v.17
 American Philosophical Society. Proceedings. 1882. v.20, p.519-528.r 506 A512 v.20
- Despretz, César Mansuète, 1789-1863, Belgian chemist.**
 Royal Society of London. Proceedings. 1864. v.13, p.viii-ix.....r 506 R81pr v.13
- Deville, Charles Joseph Sainte-Claire. See Sainte-Claire Deville, Charles Joseph.**
- Deville, Henri Étienne Sainte-Claire. See Sainte-Claire Deville, Henri Étienne.**
- Dewey, Chester, 1784-1867, American botanist.**
 Gray. Scientific papers. 1889. v.2, p.345-346.....580.4 G81s v.2
 Smithsonian Institution. Annual report. 1870. v.25, p.231-240.....r 506 S66 v.25
- Dexter, William Prescott, 1820-90, American chemist.**
 American Academy of Arts and Sciences. Proceedings. 1892. v.27, p.363-367.....qr 506 A5122p v.27
- *Dick, Robert, 1811-66, Scottish geologist and botanist.**
 Smiles. Robert Dick, baker of Thurso, geologist and botanist. 1878.92 D549s
- *Dickie, George, 1812-82, Scottish botanist.**
 Royal Society of London. Proceedings. 1883. v.34, p.xii-xiii.....r 506 R81pr v.34
- Dickinson, Pomeroy P. 1827-95, American engineer.**
 American Society of Civil Engineers. Transactions. 1900. v.43, p.611-612.....r 620.5 A51 v.43
- Dillenius, Johann Jakob, 1687-1747, German botanist.**
 Druce. Dillenian herbaria; an account of the Dillenian collections in the herbarium of the University of Oxford, with a biographical sketch of Dillenius, selections from his correspondence, notes, &c. 1907.....r 580.7 D84
- Dillon, Sidney, 1812-92, American engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36, p.603-604.....r 620.5 A51 v.36
- Dirichlet, Peter Gustav Lejeune, 1805-59, German mathematician.**
 Royal Society of London. Proceedings. 1859. v.10, p.xxxviii-xxxix.....r 506 R81pr v.10
- Diven, Alexander Samuel, 1809-96, American engineer.**
 American Society of Civil Engineers. Transactions. 1897. v.37, p.571-574.....r 620.5 A51 v.37
- Divers, Edward, 1837-1912, English chemist.**
 Nature. 1912. v.89, p.170.....qr 505 N15 v.89

- Doane, Thomas, 1821-97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39,
 p.690-694.....r 620.5 A51 v.39
- *Dobson, George Edward, 1848-95, *English zoölogist.***
 Royal Society of London. Proceedings. 1896. v.59,
 p.xv-xvii.....r 506 R81pr v.59
- Dohrn, Anton, 1841-1909, *Italian zoölogist.***
 Nature. 1909. v.81, p.429-431.....qr 505 N15 v.81
- Donders, Franz Cornelis, 1818-89, *Dutch physiologist and ophthalmologist.***
 American Academy of Arts and Sciences. Proceedings. 1889. v.24,
 p.465-470.....qr 506 A5122p v.24
 Royal Society of London. Proceedings. 1891. v.49,
 p.vii-xxiv.....r 506 R81pr v.49
 Stirling. Some apostles of physiology. 1902. p.112-115..qr 926.1 S86
- *Donkin, Bryan, 1768-1855, *English inventor.***
 American Society of Mechanical Engineers. Transactions. 1902.
 v.23, p.859-862.....r 621.05 A5123 v.23
 Royal Society of London. Proceedings. 1855. v.7,
 p.586-589.....r 506 R81pr v.7
- Dorr, Frank Hayes, 1869-97, *American electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1897.
 v.14, p.615-616.....r 621.305 A512 v.14
- Douglas, Benjamin, 1859-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1151-1152.....r 620.5 A51 v.75
- Douglass, David Bates, 1790-1849, *American engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.199-221.....r 926 S92
 Wegmann. Water supply of the city of New York. 1896. p.235-
 236.....qr 628.1 W44
- *Douglass, Sir James Nicholas, 1826-98, *English engineer.***
 Williams. Life of Sir James Nicholas Douglass, formerly engineer-
 in-chief to the Trinity house. 1900.....92 D7612w
- Dove, Heinrich Wilhelm, 1803-79, *German physicist.***
 American Academy of Arts and Sciences. Proceedings. 1880. v.15,
 p.383-391.....qr 506 A5122p v.15
 Nature. 1879. v.19, p.529-530.....qr 505 N15 v.19
 Popular science monthly. 1879. v.16, p.261-265.....r 505 P81 v.16
- Draper, Henry, 1837-82, *American astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.444-447.....qr 506 A5122p v.18
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.81-139.....r 925 N15 v.3
 Popular science monthly. 1883. v.22, p.405-409.....r 505 P81 v.22

- *Draper, John William, 1811-82, *English chemist.***
 American Academy of Arts and Sciences. Proceedings. 1882. v.17, p.424-429.....qr 506 A5122p v.17
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.2, p.349-388.....r 925 N15 v.2
 Popular science monthly. 1874. v.4, p.361-367.....r 505 P81 v.4
- Drown, Thomas Messenger, 1842-1904, *American chemist.***
 American Institute of Mining Engineers. Transactions. 1906. v.36, p.288-304.....r 622.05 A51 v.36
- Duane, James Chatham, 1824-97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39, p.686-690.....r 620.5 A51 v.39
- Du Barry, Joseph Napoleon, 1830-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19, p.108-109.....r 620.6 A51p v.19
- Du Bois-Reymond, Emil Heinrich, 1818-96, *German physiologist.***
 Nature. 1897. v.55, p.230-231.....qr 505 N15 v.55
 Popular science monthly. 1878. v.13, p.360-364.....r 505 P81 v.13
 Royal Society of London. Proceedings. 1904-05. v.75, p.124-127.....r 506 R81pr v.75
- Duclaux, Émile, 1840-1904, *French biologist.***
 Nature. 1904. v.70, p.34-35.....qr 505 N15 v.70
- Ducrotay de Blainville, Henri Marie de, 1777-1850, *French zoologist.***
 Smithsonian Institution. Annual report. 1865. v.20, p.175-188.....r 506 S66 v.20
- Dudley, Charles Benjamin, 1842-1909, *American chemist.***
 American Institute of Mining Engineers. Transactions. 1910. v.41, p.837-851.....r 622.05 A51 v.41
 American Society of Mechanical Engineers. Transactions. 1910. v.32, p.1477-1478.....r 621.05 A5123 v.32
- Dudley, Charles Tarbell, 1878-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.64, p.588-589.....r 620.5 A51 v.64
- *Dudley, Dud, 1590-1684, *English iron manufacturer.***
 Smiles. Industrial biography. 1889. p.43-59.....926 S64i
- Dumas, Jean Baptiste André, 1800-84, *French chemist.***
 American Academy of Arts and Sciences. 1884. v.19, p.545-556.....qr 506 A5122p v.19
 Muir. Heroes of science. 1883. p.252-293.....925.4 M95
 Nature. Feb. 6, 1880. v.21, p.I-XL.....qr 505 N15 v.21
 Popular science monthly. 1880. v.18, p.257-261.....r 505 P81 v.18
 Roberts. Famous chemists. 1911. p.106-120.....925.4 R53
 Royal Society of London. Proceedings. 1884. v.37, p.x-xxvii.....r 506 R81pr v.37
 Thorpe. Essays in historical chemistry. 1894. p.258-298..925.4 T41

- Dun, James, 1844-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.61,
 p.560-561.....r 620.5 A51 v.61
- *Duncan, Peter Martin, 1821-91, *English geologist.***
 Royal Society of London. Proceedings. 1892. v.50,
 p.IV-VII.....r 506 R81pr v.50
- Dunkin, Edward, 1821-98, *English astronomer and meteorologist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.53-56.....r 506 R81pr v.75
- Duppa, Baldwin Francis, 1828-72, *English chemist.***
 Royal Society of London. Proceedings. 1873. v.21,
 p.VI-IX.....r 506 R81pr v.21
- Dupré, August, 1835-1907, *German chemist.***
 Royal Society of London. Proceedings. 1908. v.80A,
 p.XIV-XVIII.....r 506 R81pr v.80A
- Duthiers, Henri de Lacaze-. *See Lacaze-Duthiers, Henri de.***
- Dwight, William Buck, 1833-1906, *American geologist.***
 Geological Society of America. Bulletin. 1908. v.18,
 p.571-572.....qr 550.5 B87 v.18
- Eads, James Buchanan, 1820-87, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.46-65.....r 620.6 A51p v.13
- Hennig. *Buch berühmter ingenieure.* 1911. p.49-71....926.2 H44**
- How. James B. Eads. 1900.....92 E126h**
- National Academy of Sciences. Biographical memoirs. 1877-1909.**
 v.3, p.59-79.....r 925 N15 v.3
- Popular science monthly. 1886. v.28, p.544-553.....r 505 P81 v.28**
- Earley, John Edwin, 1842-1907, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.61,
 p.562-563.....r 620.5 A51 v.61
- Earll, Robert Edward, 1853-96, *American pisciculturist.***
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.388-
 390.....r 506 W27 v.13
- Eaton, Amos, 1776-1842, *American naturalist.***
 Youmans. Pioneers of science in America. 1896. p.III-III. 925 Y35
- Eckford, Henry, 1755-1832, *Scottish-American naval architect.***
 Howe. Lives of eminent mechanics. 1857. p.211-216....926 H85
- Edison, Thomas Alva, b. 1847, *American inventor.***
 Dickson. Life and inventions of Thomas Alva Edison.
 1894q 92 E288d
- Dyer & Martin. Edison; his life and inventions. 2v. 1910..92 E288dy**
- Hubert. Inventors. 1893. p.223-263.....926 H87**
- Jones. Thomas Alva Edison. 1907.....92 E288j**
- McClure. Edison and his inventions. 1879.....r 92 E288m**
- Munro. Heroes of the telegraph. 1891. p.201-248.....925 M96**
- Pratt. Notable masters of men. p.92-105.....920 P888**

- *Edward, Thomas, 1814-86, *Scottish naturalist.***
 Popular science monthly. 1877. v.10, p.594-608.....r 505 P81 v.10
 Smiles. Life of a Scotch naturalist; Thomas Edward. 1876..9a E314s
- Edwards, Henri Milne-. See Milne-Edwards, Henri.**
- Edwards, William, 1719-89, *Welsh engineer.***
 Howe. Lives of eminent mechanics. 1857. p.253-258.....926 H85
 Smiles. Lives of the engineers. 1874. v.2, p.73-82....926 S641 v.2
- *Egerton, Sir Philip de Malpas Grey, 1806-81, *English geologist.***
 Royal Society of London. Proceedings. 1882. v.33,
 p.xxii-xxiv.....r 506 R81pr v.33
- Egleston, Thomas, 1832-1900, *American mineralogist and metallurgist.***
 American Institute of Mining Engineers. Transactions. 1901. v.31,
 p.3-24.....r 622.05 A51 v.31
 Columbia University quarterly. 1900. v.2, p.138-148..r 378.7 C72q v.2
 Popular science monthly. 1899. v.55, p.256-265.....r 505 P81 v.55
- Ehrenberg, Christian Gottfried, 1795-1876, *German naturalist.***
 American Academy of Arts and Sciences. Proceedings. 1877. v.12,
 p.327-328.....qr 506 A5122p v.12
 Popular science monthly. 1879. v.14, p.668-672.....r 505 P81 v.14
- Eickemeyer, Rudolf, 1831-94, *German electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1894.
 v.11, p.876-877.....r 621.305 A512 v.11
- Eiffel, Gustave, b. 1832, *French engineer, designer of the Eiffel tower.***
 Layson. Great engineers. p.360-388.....926 L44
- Eimbeck, William, 1841-1909, *German geodetic surveyor.***
 Philosophical Society of Washington. Bulletin. 1909. v.15, p.127-
 131.....r 506 W27 v.15
- Eldridge, George Homans, 1854-1905, *American geologist.***
 American Institute of Mining Engineers. Transactions. 1906. v.37,
 p.339-349.....r 622.05 A51 v.37
 Geological Society of America. Bulletin. 1907. v.17,
 p.681-687.....qr 550.5 B87 v.17
- *Elgar, Francis, 1845-1909, *English naval architect.***
 Nature. 1909. v.79, p.372-373.....qr 505 N15 v.79
 Royal Society of London. Proceedings. 1909-10. v.83A,
 p.viii-xi.....r 506 R81pr v.83A
- Élie de Beaumont, Jean Baptiste Armand Louis Léonce, 1798-1874, *French geologist.***
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.507-509.....qr 506 A5122p v.10
 Nature. 1874. v.11, p.41-42.....qr 505 N15 v.11
 Royal Society of London. Proceedings. 1878. v.26,
 p.iv-v.....r 506 R81pr v.26
- *Eliot, Sir John, 1839-1908, *English meteorologist.***
 Nature. 1908. v.77, p.490-492.....qr 505 N15 v.77

- *Ellery, Robert Lewis John, 1827-1908, *English astronomer.***
 Royal Society of London. Proceedings. 1909. v.82A,
 p.vi-x.....r 506 R81pr v.8
- Ellet, Charles, 1810-62, *American engineer.***
 Stuart. Lives and works of civil and military engineers of Ameri
 1871. p.257-285.....r 926 f
- Ellicott, Andrew, 1754-1820, *American engineer.***
 Stuart. Lives and works of civil and military engineers of Ameri
 1871. p.17-35.....r 926 f
- *Ellis, Alexander John, 1814-90, *English mathematician.***
 Royal Society of London. Proceedings. 1891. v.49,
 p.i-iv.....r 506 R81pr v
- Ellis, Calvin, 1826-83, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1884. v
 p.492-501.....qr 506 A5122p v
- Ellis, Nathaniel Webster, 1849-89, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v
 p.112-113.....r 620.6 A51p v
- Ellis, Theodore G. 1830-83, *American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v
 p.557-559.....r 620.5 A51 v
- Emerson, George B. 1797-1881, *American botanist.***
 American Academy of Arts and Sciences. Proceedings. 1881. v
 p.427-429.....qr 506 A5122p v
- Emerson, Gouverneur, 1795-1874, *American physician.***
 American Philosophical Society. Proceedings. 1891. v.29, p.
 78.....r 506 A512 v
- Emery, Charles Edward, 1838-98, *American engineer.***
 American Institute of Electrical Engineers. Transactions. I
 v.15, p.737-743.....r 621.305 A512 v
- American Society of Civil Engineers. Transactions. 1899. v**
 p.558-560.....r 620.5 A51 v
- American Society of Mechanical Engineers. Transactions. I**
 v.19, p.977-979.....r 621.05 A5123 v
- Emigh, John Hall, 1850-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v
 p.628-629.....r 620.5 A51 v
- Emmet, Thomas Addis, 1818-80, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1880.
 p.2-4.....r 620.6 A51p
- Emmons, Charles Morton, 1866-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v
 p.499.....r 620.5 A51 v
- Emmons, Ebenezer, 1799-1863, *American geologist.***
 Popular science monthly. 1896. v.48, p.406-411.....r 505 P81
 Youmans. Pioneers of science in America. 1896. p.347-353..925

- Emmons, Samuel Franklin, 1841-1911, American engineer.**
 American Institute of Mining Engineers. Transactions. 1911. v.42, p.643-661.....r 622.05 A51 v.42
 Geological Society of America. Bulletin. 1912. v.23, p.12-28.....qr 550.5 B87 v.23
- Encke, Johann Franz, 1791-1865, German astronomer.**
 American journal of science. 1867. v.93, p.10-15.....r 505 A51 v.93
 Royal Society of London. Proceedings. 1867. v.15, p.XLIV-XLVI.....r 506 R81pr v.15
 Smithsonian Institution. Annual report. 1868. v.23, p.193-202.....r 506 S66 v.23
- Engelmann, George, 1809-84, German-American botanist.**
 American Academy of Arts and Sciences. Proceedings. 1884. v.19, p.516-522.....qr 506 A5122p v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.4, p.1-21.....r 925 N15 v.4
 Popular science monthly. 1886. v.29, p.260-265.....r 505 P81 v.29
- Engle, Robert L. 1846-1909, American engineer.**
 American Society of Civil Engineers. Transactions. 1910. v.68, p.480-481.....r 620.5 A51 v.68
- Enniskillen, William Willoughby Cole, earl, 1807-86, Irish geologist.**
 Royal Society of London. Proceedings. 1887. v.41, p.IX-XI.....r 506 R81pr v.41
- Erdmann, Earl Edwin, 1883-1910, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.74, p.529.....r 620.5 A51 v.74
- *Erichsen, Sir John Eric, 1818-96, English surgeon.**
 Royal Society of London. Proceedings. 1897. v.61, p.I-III.....r 506 R81pr v.61
- Ericsson, John, 1803-89, Swedish-American naval engineer.**
 American Society of Mechanical Engineers. Transactions. 1889. v.10, p.845-850.....r 621.05 A5123 v.10
 Church. Life of John Ericsson. 2v. 1891.....92 E743c
 Hennig. Buch berühmter ingenieure. 1911. p.72-102....926.2 H44
 Hubert. Inventors. 1893. p.178-206.....926 H87
 Iles. Leading American inventors. 1912. p.218-275.....926 I22
 Popular science monthly. 1893. v.44, p.112-120.....r 505 P81 v.44
 Youmans. Pioneers of science in America. 1896. p.374-384..925 Y35
- Espy, James Pollard, 1785-1860, American meteorologist.**
 Popular science monthly. 1889. v.34, p.834-840.....r 505 P81 v.34
 Youmans. Pioneers of science in America. 1896. p.196-204..925 Y35
- *Etheridge, Robert, 1819-1903, English geologist and paleontologist.**
 Royal Society of London. Proceedings. 1904-05. v.75, p.258-261.....r 506 R81pr v.75
- Euclid, circa 300 B. C. Greek geometrician.**
 Smith. Euclid; his life and system. 1902.....513 S66

- Eustis**, Henry Lawrence, 1819-85, *American engineer*.
 American Academy of Arts and Sciences. Proceedings. 1885. v.20,
 p.513-519.....qr 506 A5122p v.20
- Evans**, Anthony Walton White, 1817-86, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.30-35.....r 620.6 A51p v.13
- *Evans**, Sir Frederick John Owen, 1815-85, *English hydrographer and
 magnetician*.
 Royal Society of London. Proceedings. 1886. v.40,
 p.I-VII.....r 506 R81pr v.40
- *Evans**, Sir John, 1823-1908, *English geologist*.
 Royal Society of London. Proceedings. 1908. v.80B,
 p.L-LVI.....r 506 R81pr v.80B
- Evans**, Oliver, 1755-1819, *American inventor*.
 Howe. Lives of eminent mechanics. 1857. p.70-82.....926 H85
- *Everest**, Sir George, 1790-1866, *English military engineer*.
 Royal Society of London. Proceedings. 1868. v.16,
 p.XI-XIV.....r 506 R81pr v.16
- Everett**, Joseph David, 1831-1904, *English physicist*.
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.377-380.....r 506 R81pr v.75
- Ewing**, William Bayard, 1858-1911, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.500-501.....r 620.5 A51 v.74
- Eyth**, Maximilian Fr. E. von, 1836-1906, *German engineer*.
 Eyth. Hinter pflug und schraubstock.....92 E995ah
 Eyth. Im strom unserer zeit; aus briefen eines ingenieurs. v.I.
 1903.92 E995a
 Hennig. Buch berühmter ingenieure. 1911. p.272-294...926.2 H44
- Fabre**, Jean Henri, b. 1823, *French entomologist*.
 Fabre. Life of the fly, with which are interspersed some chapters
 of autobiography. 1913.....595.77 F11
 L'Illustration. 1913. v.142, p.113.....qr 074 I22 v.142
 Legros. Fabre, poet of science. 1913.....92 F115l
- Fabricius**, Hieronymus, 1537-1619, *Italian anatomist and surgeon*.
 Stirling. Some apostles of physiology. 1902. p.9-11...qr 926.1 S66
- *Fairbairn**, Sir William, 1789-1874, *Scottish engineer*.
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.510-511.....qr 506 A5122p v.10
 Eminent persons. 1892. v.1, p.244-246.....920 E588 v.1
 Fortunes made in business. 1884. v.2, p.231-250.....926 F79 v.2
 Layson. Great engineers. p.305-320.....926 L44
 Smiles. Industrial biography. 1889. p.299-335.....926 S64i
- *Falconer**, Hugh, 1808-65, *Scottish paleontologist and botanist*.
 Royal Society of London. Proceedings. 1867. v.15,
 p.XIV-XX.....r 506 R81pr v.15

- Falconnet, Eugene F. 1833-87, *Swiss-American engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.135-136.r 620.6 A51p v.15
- *Faraday, Michael, 1791-1867, *English physicist and chemist.***
 Faraday & Schönbein. Letters, 1836-62. 1899.92 F229
 Goodwin. Fundamental laws of electrolytic conduction. 1899.
 p.44-46.541.17 G63
 Jones. Life and letters of Faraday. 2v. 1870.92 F229j
 Munro. Pioneers of electricity. 1890. p.187-219.925 M96p
 Ostwald. Grosse männer. 1909. p.101-153.925 O29
 Potamian. Makers of electricity. 1909. p.298-333.925 P84
 Roberts. Famous chemists. 1911. p.99-105.925.4 R53
 Royal Society of London. Proceedings. 1869. v.17,
 p.1-LXVIII.r 506 R81pr v.17
 Schulze. Die grossen physiker. 1910. p.65-82.925.3 S39
 Smithsonian Institution. Annual report. 1867. v.22,
 p.227-245.r 506 S66 v.22
 Thompson. Michael Faraday; his life and work. 1898.92 F229th
 Thorpe. Essays in historical chemistry. 1894. p.142-159.925.4 T41
 Tyndall. Faraday as a discoverer. 1890.92 F229t
- Farmer, Moses Gerrish, 1820-92, *American electrician.***
 American Academy of Arts and Sciences. Proceedings. 1894. v.29,
 p.415-418.qr 506 A5122p v.29
 American Society of Mechanical Engineers. Transactions. 1893.
 v.14, p.1445-1447.r 621.05 A5123 v.14
- Farnam, Henry, 1803-83, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.605-608.r 620.5 A51 v.36
- Farnham, Irving Tupper, 1869-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.415-417.r 620.5 A51 v.71
- Farquhar, Francis Ulric, d.1883, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.165.r 620.6 A51p v.15
- *Farre, Arthur, 1811-87, *English physician.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.III-VI.r 506 R81pr v.46
- Faye, Hervé Auguste Étienne Albans, 1814-1902, *French astronomer.***
 Poincaré. Savants et écrivains. p.173-189.925 P74
- *Fayrer, Sir Joseph, 1824-1907, *English physician.***
 Royal Society of London. Proceedings. 1908. v.80B,
 p.LXVI-LXX.r 506 R81pr v.80B
- Feind, Bernhard, 1849-94, *German-American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.182-183.r 620.6 A51p v.20

- Felton, Samuel Morse, 1809-89, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.92-94.....r 620.6 A51p v.19
- Fendler, Augustus, 1813-83, *German botanist.***
 Gray. Scientific papers. 1889. v.2, p.465-467.....580.4 G81s v.2
- *Ferguson, James, 1710-76, *Scottish astronomer.***
 Ferguson. Life, in a brief autobiographical account. 1870..92 F387
 Howe. Lives of eminent mechanics. 1857. p.237-249.....926 H85
- *Fergusson, Sir William, 1808-77, *Scottish surgeon.***
 Bettany. Eminent doctors. 1885. v.2, p.72-82.....926.1 B46 v.2
 Eminent persons. 1893. v.2, p.19-22.....920 E588 v.2
- Ferrel, William, 1817-91, *American meteorologist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.388-393.....qr 506 A5122p v.28
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.265-309.....r 925 N15 v.3
 Philosophical Society of Washington. Bulletin. 1892-94. v.12,
 p.448-460.....r 506 W27 v.12
 Popular science monthly. 1892. v.40, p.686-695.....r 505 P81 v.40
- *Ferrers, Norman MacLeod, 1829-1903, *English mathematician.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.273-276.....r 506 R81pr v.75
- Ferrier, Joseph James, 1882-1911, *English engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.530.....r 620.5 A51 v.74
- Field, Burr Kellogg, 1856-98, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.40,
 p.568-570.....r 620.5 A51 v.40
 American Society of Mechanical Engineers. Transactions. 1898.
 v.19, p.975-977.....r 621.05 A5123 v.19
- Fink, Albert, 1827-97, *German-American engineer.***
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.626-638.....r 620.5 A51 v.41
- Finlay, Carlos Juan, b. 1833, *Cuban physician.***
 Finlay. Trabajos selectos. 1912. p.xxxvii-xxxiv....qr 614.541 F49
- Firth, Frank Russell, 1847-72, *American railroad engineer.***
 Young engineer; memoir of Frank Russell Firth. 1874...92 F521y
- Fisher, Elstner, 1853-1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.66,
 p.497-498.....r 620.5 A51 v.66
- Fitch, Asa, 1809-79, *American entomologist.***
 Popular science monthly. 1879. v.16, p.116-120.....r 505 P81 v.16
- Fitch, John, 1743-98, *American inventor.***
 Howe. Lives of eminent mechanics. 1857. p.13-34.....926 H85
 Ohio archæological and historical publications. v.8,
 p.397-408.....r 977.1 O18 v.8

- Fitch, John—*continued*.
 Sparks. Library of American biography. v.16, p.81-166.r 920 S73 v.16
 Westcott. Life of John Fitch, the inventor of the steam-boat. 1857.r 92 F552w
 Whittlesey. Fugitive essays. 1852. p.24-53.r 917.7 W66
- *Fitton, William Henry, 1780-1861, *English geologist*.
 Royal Society of London. Proceedings. 1863. v.12, p.IV-VI.r 506 R81pr v.12
- *Fitzgerald, George Francis, 1851-1901, *Irish physicist*.
 Nature. 1901. v.63, p.445-447.qr 505 N15 v.63
 Royal Society of London. Proceedings. 1904-05. v.75, p.152-160.r 506 R81pr v.75
- *Fitz Roy, Robert, 1805-65, *English hydrographer and meteorologist*.
 Royal Society of London. Proceedings. 1867. v.15, p.XXI-XXIII.r 506 R81pr v.15
- Flad, Henry, 1824-98, *German engineer*.
 American Society of Civil Engineers. Transactions. 1899. v.42, p.561-566.r 620.5 A51 v.42
- *Flamsteed, John, 1646-1719, *English astronomer*.
 Ball. Great astronomers. 1895. p.147-161.925.2 B21
- Flint, Austin, b. 1836, *American physician*.
 Popular science monthly. 1876. v.9, p.103-105.r 505 P81 v.9
- Flourens, Marie Jean Pierre, 1794-1867, *French physiologist*.
 Royal Society of London. Proceedings. 1870. v.18, p.XXVII-XXVIII.r 506 R81pr v.18
- *Flower, Sir William Henry, 1831-99, *English zoölogist and anthropologist*.
 Cornish. Sir William Henry Flower; a personal memoir. 1904.92 F672c
 Lydekker. Sir William Flower. 1906.92 F672l
 Nature. 1899. v.60, p.252-255.qr 505 N15 v.60
 Royal Society of London. Proceedings. 1904-05. v.75, p.72-89.r 506 R81pr v.75
- Folsom, Charles Follen, 1842-1907, *American physician*.
 American Academy of Arts and Sciences. Proceedings. 1909. v.44, p.749-768.qr 506 A5122p v.44
- Foote, Albert E. 1846-95, *American geologist*.
 Geological Society of America. Bulletin. 1896. v.7, p.481-485.qr 550.5 B87 v.7
- *Forbes, Edward, 1815-54, *English naturalist*.
 American journal of science. 1855. v.70, p.375-385.r 505 A51 v.70
 Jerdan. Men I have known. 1866. p.198-219.r 920 J27
 Royal Society of London. Proceedings. 1854. v.7, p.263-270.r 506 R81pr v.7
 Wilson & Geikie. Memoir of Edward Forbes. 1861.92 F752w

- *Forbes, Sir John, 1787–1861, Scottish physician.**
 Royal Society of London. Proceedings. 1863. v.12,
 p.vi–xi.....r 506 R81pr v.12
- Ford, Arthur Livermore, 1851–80, American engineer.**
 American Society of Civil Engineers. Proceedings. 1880. v.6,
 p.75–76.....r 620.6 A51p v.6
- Forrer, Samuel, 1793–1871? American engineer.**
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.286–292.....r 926 S92
- Forshey, Caleb Goldsmith, 1812–81, American engineer.**
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.560–561.....r 620.5 A51 v.37
- *Foster, Sir Clement Le Neve, 1841–1904, English geologist and mining
 engineer.**
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.371–377.....r 506 R81pr v.75
- Foucault, Jean Bernard Léon, 1819–68, French physicist.**
 Royal Society of London. Proceedings. 1869. v.17,
 p.LXXXIII–LXXXIV.....r 506 R81pr v.17
- Fourier, Jean Baptiste Joseph, baron, 1768–1830, French geometrician and
 physicist.**
 Smithsonian Institution. Annual report. 1871. v.26,
 p.137–176.....r 506 S66 v.26
- Fourneyron, Benoît, 1802–67, French engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
 technik und industrie. 1909. v.4, p.79–95.....qr 609 V27 v.4
- Fowler, Charles Edward, 1841–83, American engineer.**
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.164.....r 620.6 A51p v.15
- *Fowler, Sir John, 1817–98, English engineer.**
 Hennig. Buch berühmter ingenieure. 1911. p.196–227...926.2 H44
 Mackay. Life of Sir John Fowler, engineer. 1900.....92 F848m
- *Fowler, Richard, 1765–1863, English physician.**
 Royal Society of London. Proceedings. 1864. v.13,
 p.III–V.....r 506 R81pr v.13
- Francis, James, 1840–98, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.627–628.....r 620.5 A51 v.45
- Francis, James Bicheno, 1815–92, English engineer.**
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.333–340.....qr 506 A512ap v.28
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.74–77.....r 620.6 A51p v.19

- *Frankland, Sir Edward, 1825–99, *English chemist.***
 Nature. 1899. v.60, p.372–373.....qr 505 N15 v.60
 Popular science monthly. 1879. v.15, p.838–840.....r 505 P81 v.15
 Roberts. Famous chemists. 1911. p.193–200.....925.4 R53
- Franklin, Benjamin, 1706–90, *American scientist, statesman and inventor.***
 American Philosophical Society. Proceedings. 1890. v.28, p.161–
 226.....r 506 A512 v.28
 American Philosophical Society. Proceedings. 1906. v.45, p.117–
 130.....r 506 A512 v.45
 Buffington. A recall of Benjamin Franklin. [1902.].....r 92 F879b
 Diller. Franklin's contribution to medicine. 1912.....r 92 F879d
 Howe. Lives of eminent mechanics. 1857. p.37–67.....926 H85
 Hubert. Inventors. 1893. p.9–44.....926 H87
 Munro. Pioneers of electricity. 1890. p.45–76.....925 M96p
 Pepper. Medical side of Benjamin Franklin. 1911.....92 F879pe
 Potamian. Makers of electricity. 1909. p.68–132.....925 P84
 Youmans. Pioneers of science in America. 1896. p.1–23....925 Y35
- Fraunhofer, Joseph von, 1787–1826, *German optician.***
 Popular science monthly. 1875. v.6, p.739–742.....r 505 P81 v.6
- Frazer, John Fries, 1812–72, *American chemist.***
 American Philosophical Society. Proceedings. 1873. v.13, p.183–
 190.....r 506 A512 v.13
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.1, p.245–256.....r 925 N15 v.1
- Frazer, Joseph Heckart, 1882–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1198.....r 620.5 A51 v.75
- Frazer, Persifor, 1844–1909, *American geologist.***
 Geological Society of America. Bulletin. 1910. v.21,
 p.5–12.....qr 550.5 B87 v.21
- Frazier, Benjamin West, 1841–1905, *American metallurgist.***
 American Institute of Mining Engineers. Transactions. 1906. v.36,
 p.306–314.....r 622.05 A51 v.36
- French, Frederick Reginald, 1873–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.526–527.....r 620.5 A51 v.54, pt.7
- Fresnel, Augustin Jean, 1788–1827, *French physicist.***
 Arago. Biographies of distinguished scientific men. 1857. p.399–
 471.....r 925 A65
 Crew. Wave theory of light. 1900. p.156–157.....535.1 C88
- Friedel, Charles, 1832–99, *French chemist and mineralogist.***
 Chemical Society of London. Memorial lectures, 1893–1900. 1900.
 p.993–1019.....925.4 C42
- Fries, Elias Magnus, 1794–1878, *Swedish botanist.***
 American Academy of Arts and Sciences. Proceedings. 1878. v.13,
 p.453–454.....qr 506 A5122p v.13

Fries, Elias Magnus—*continued.*

- Gray. Scientific papers. 1889. v.2, p.411-412.....58o.4 G81s v.2
Royal Society of London. Proceedings. 1879. v.28,
p.vii-x.....r 506 R81pr v.28
- Frisch, Johann Leonhard, 1666-1743, *German entomologist.*
- Miall. Early naturalists; their lives and work (1530-1789). 1912.
p.240-244.....925.7 M66
- Fristoe, Edward T. 1827-92, *American chemist.*
- Philosophical Society of Washington. Bulletin. 1892-94. v.12,
p.460-461.....r 506 W27 v.12
- Fritz, John, b. 1822, *American metallurgist and mechanical engineer.*
- Fritz. Autobiography. 1912.....92 F958f
- Frizell, Joseph Palmer, 1832-1910, *American engineer.*
- American Society of Civil Engineers. Transactions. 1911. v.73,
p.501-503.....r 620.5 A51 v.73
- Frost, Benjamin Dix, 1830-80, *American engineer.*
- American Society of Civil Engineers. Proceedings. 1887. v.13,
p.139-140.....r 620.6 A51p v.13
- *Frost, Percival, 1817-98, *English mathematician.*
- Royal Society of London. Proceedings. 1899. v.64,
p.vii-ix.....r 506 R81pr v.64
- *Froude, William, 1810-79, *English naval engineer.*
- Royal Society of London. Proceedings. 1879. v.29,
p.ii-vi.....r 506 R81pr v.29
- Fteley, Alphonse, 1837-1903, *French engineer.*
- American Society of Civil Engineers. Transactions. 1905. v.54,
pt.7, p.509-512.....r 620.5 A51 v.54, pt.7
- Fuchs, Leonhard, 1501-66, *German naturalist.*
- Miall. Early naturalists; their lives and work (1530-1789). 1912.
p.24-27.925.7 M66
- Fulton, Robert, 1765-1815, *American engineer.*
- American Society of Mechanical Engineers. Transactions. 1903.
v.24, p.1493-1538.....r 621.05 A5123 v.24
- Bryson. Inventors of the Scotch-Irish race of America. 1892.
p.5-8.926 B84
- Colden. Life of Robert Fulton. 1817.....r 92 F986c
- Delaplaine's repository of the lives and portraits of distinguished
American characters. 1815-18. v.1, pt.2, p.201-223..qr 920 D38 v.1, pt.2
- Howe. Lives of eminent mechanics. 1857. p.158-187.....926 H85
- Hubert. Inventors. 1893. p.45-68.....926 H87
- Iles. Leading American inventors. 1912. p.40-74.....926 I22
- Knox. Life of Robert Fulton and a history of steam navigation.
1886.656 K35
- Reigart. Life of Robert Fulton. 1856.....r 92 F986r
- Sparks. Library of American biography. v.10, p.1-89..r 920 S73 v.10
- Sutcliffe. Robert Fulton and the "Clermont." 1909.....92 F986s
- Thurston. Robert Fulton. 1891.....92 F986t

- Funiak, Frederick de, 1839-1905, Italian engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.54, pt.7, p.524-525.....r 620.5 A51 v.54, pt.7
- Gabb, William More, 1839-78, American paleontologist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.6, p.345-361.....r 925 N15 v.6
- Gadolin, Johan, 1760-1852, Finnish chemist.**
 Nature. 1911. v.86, p.48-49.....qr 505 N15 v.86
- Gaetzschmann, Moritz Ferdinand, 1800-95, German mining engineer.**
 American Institute of Mining Engineers. Transactions. 1895. v.25, p.431-434.....r 622.05 A51 v.25
- *Gairdner, Sir William Tennant, 1824-1907, Scottish physician.**
 Royal Society of London. Proceedings. 1908. v.80B, p.xi-xiv.....r 506 R81pr v.80B
- Galileo, 1564-1642, Italian physicist and astronomer.**
 Ball. Great astronomers. 1895. p.67-95.....925.2 B21
 Bolton. Famous men of science. 1889. p.1-27.....925 B61
 Brewster. Martyrs of science. 1877. p.13-114.....925 B73
 Caird. University addresses. 1898. p.89-123.....824 C12
 Fahie. Galileo; his life and work. 1903.....92 G147f
 Favaro. Galileo Galilei. 2v. 1883.....92 G147fa
 Galileo. Private life of Galileo; comp. principally from his correspondence and that of his eldest daughter, Sister Maria Celeste. 1869.92 G147
 Horridge. Lives of great Italians. 1897. p.334-362.....920 H81
 Lincoln. In memoriam, 1817-1891. 1894. p.427-463.....r 814 L32
 Lodge. Pioneers of science. 1893. p.84-135.....520.9 L76
 Morton. Heroes of science. 1882. p.115-140.....925.2 M92
 Nasmith. Makers of modern thought. 1892. v.1, p.220-228. .921 N14 v.1
 Popular science monthly. 1905. v.66, p.256-266, 343-356; v.67, p.127-142.....r 505 P81 v.66-67
 Schulze. Die grossen physiker. 1910. p.1-20.....925.3 S39
 Shelley, and others. Eminent literary and scientific men of Italy, Spain and Portugal. 1835-37. v.2, p.1-62.....920 S54 v.2
- *Galton, Sir Francis, 1822-1911, English anthropologist, founder of the school of eugenics.**
 Galton. Memories of my life. 1908.....92 G159
 Popular science monthly. 1886. v.29, p.117-121.....r 505 P81 v.29
 Royal Society of London. Proceedings. 1911. v.84B, p.x-xvii.....r 506 R81pr v.84B
- Galvani, Luigi, 1737-98, Italian physiologist.**
 Popular science monthly. 1892. v.41, p.408-411.....r 505 P81 v.41
 Potamian. Makers of electricity. 1909. p.133-161.....925 P84
 Stirling. Some apostles of physiology. 1902. p.109-111. qr 926.1 S86
- Gamble, Josias Christopher, 1776-1848, English chemical manufacturer.**
 Allen. Some founders of the chemical industry. 1906. p.39-66.926.6 A42

- *Gamgee, Arthur, 1841–1909, *English chemist and physiologist.***
 Nature. 1909. v.80, p.194–196.....qr 505 N15 v.80
- Gannett, Henry, 1846–1914, *American geographer.***
 National geographic magazine. 1914. v.26, p.609–613..r 910.5 N15 v.26
- Gardner, Henry A. 1816–75, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1875. v.1,
 p.335–337.....r 620.6 A51p v.1
- Gascoyne-Cecil, Robert Arthur Talbot, *marquis of Salisbury.* See *Salisbury, Robert Arthur Talbot Gascoyne Cecil, marquis of.***
- Gaskin, Thomas, 1810–87, *English mathematician.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.I–II.....r 506 R81pr v.46
- Gauss, Karl Friedrich, 1777–1855, *German mathematician.***
 Munro. Heroes of the telegraph. 1891. p.269–272.....925 M96
 Popular science monthly. 1888. v.33, p.694–698.....r 505 P81 v.33
 Popular science monthly. 1912. v.81, p.105–114.....r 505 P81 v.81
 Royal Society of London. Proceedings. 1855. v.7,
 p.589–598.....r 506 R81pr v.7
- Gay-Lussac, Joseph Louis, 1778–1850, *French chemist.***
 Roberts. Famous chemists. 1911. p.84–87.....925.4 R53
 Smithsonian Institution. Annual report. 1876. v.31,
 p.138–172.....r 506 S66 v.31
- Gegenbaur, Carl, 1826–1903, *German anatomist.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.309–312.....r 506 R81pr v.75
- Geikie, Sir Archibald, b. 1835. *Scottish geologist.***
 Nature. 1893. v.47, p.217–220.....qr 505 N15 v.47
 Popular science monthly. 1893. v.43, p.257–264.....r 505 P81 v.43
- Gelette, William Durfee, 1847–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.50,
 p.500.....r 620.5 A51 v.50
- Genth, Frederick Augustus, 1820–93, *German-American chemist.***
 American Philosophical Society. Proceedings. 1901. v.40, p.x–
 xxii.....r 506 A512 v.40
 National Academy of Sciences. 1877–1909. v.4, p.201–231..r 925 N15 v.4
- Geoffroy Saint-Hilaire, Étienne, 1772–1844, *French zoölogist.***
 Knox. Great artists and great anatomists. 1852.....925 K35
- Geoffroy Saint-Hilaire, Isidore, 1805–61, *French zoölogist.***
 Smithsonian Institution. Annual report. 1862. v.17,
 p.384–394.....r 506 S66 v.17
- Gerhardt, Charles Frédéric, 1816–56, *German chemist.***
 Ostwald. Grosse männer. 1909. p.220–255.....925 O29
- Gervais, Paul, 1816–79, *French zoölogist and paleontologist.***
 Popular science monthly. 1887. v.31, p.550–553.....r 505 P81 v.31

- Gesner, Conrad, 1516-65, *Swiss naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.28-32.r 925.7 M66
- Gibbs, George, 1815-73, *American geologist.***
 Smithsonian Institution. Annual report. 1873. v.28,
 p.219-225.r 506 S66 v.28
- Gibbs, Josiah Willard, 1839-1903, *American physicist.***
 Jordan. Leading American men of science. 1910. p.341-362. .925 J42
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.6, p.373-393.r 925 N15 v.6
 Popular science monthly. 1909. v.74, p.470-484, 551-561; v.75,
 p.41-48, 191-203.r 505 P81 v.74-75
 Royal Society of London. Proceedings. 1904-05: v.75,
 p.280-296.r 506 R81pr v.75
- Gibbs, Nathan Jackson, 1883-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1188-1189.r 620.5 A51 v.75
- Gibbs, Oliver Wolcott, 1822-1908, *American chemist.***
 American Philosophical Society. Proceedings. 1910. v.49, p.XIX-
 XXXI.r 506 A512 v.49
- *Gilbert, Sir Joseph Henry, 1817-1901, *English agricultural chemist.***
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.233-242.r 925.8 O23
 Popular science monthly. 1894. v.45, p.119-124.r 505 P81 v.45
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.236-246.r 506 R81pr v.75
- *Gilbert, William, 1540-1603, *English electrician.***
 Munro. Pioneers of electricity. 1890. p.33-42.r 925 M96p
 Potamian. Makers of electricity. 1909. p.35-67.r 925 P84
- Gillespie, Joshua Lathrop, 1848-90, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.224-225.r 620.6 A51p v.16
- Gillham, Robert, 1854-99, *American engineer.***
 American Society of Civil Engineers. Transactions. 1900. v.43,
 p.613-617.r 620.5 A51 v.43
- Gilliss, James Melville, 1811-65, *American astronomer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.135-179.r 925 N15 v.1
- Gilliss, John Roberts, 1842-70, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.555-556.r 620.5 A51 v.36
- Gillmore, Quincy Adams, 1825-88, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.60-61.r 620.6 A51p v.20

- Gilman, Daniel Coit, 1831-1908, *American scientist and educator.***
 American Philosophical Society. Proceedings. 1909. v.48, p.LXII-LXX.....r 506 A512 v.48
 Franklin. Life of Daniel Coit Gilman. 1910.....92 G42f
- *Gladstone, John Hall, 1827-1902, *English chemist and educator.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.188-192.....r 506 R81pr v.75
- *Glaisher, James, 1809-1903, *English meteorologist.***
 Popular science monthly. 1890. v.36, p.546-551.....r 505 P81 v.36
- *Glisson, Francis, 1597-1677, *English physiologist.***
 Stirling. Some apostles of physiology. 1902. p.29-30....qr 926.1 S86
- Goad, Charles Edward, 1848-1910, *English engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.418-419.....r 620.5 A51 v.71
- Godding, William Whitney, 1831-99, *American physician.***
 Philosophical Society of Washington. Bulletin. 1900. v.13, p.390-
 396.....r 506 W27 v.13
- Goetz, George W. 1855-97, *American metallurgist.***
 American Institute of Mining Engineers. Transactions. 1897. v.27,
 p.436-444.....r 622.05 A51 v.27
- *Gompertz, Benjamin, 1779-1865, *Jewish mathematician.***
 Royal Society of London. Proceedings. 1867. v.15,
 p.xxiii-xxiv.....r 506 R81pr v.15
- Goodale, George Lincoln, b. 1839, *American botanist.***
 Popular science monthly. 1891. v.39, p.691-694.....r 505 P81 v.39
- Goode, George Brown, 1851-96, *American naturalist.***
 Goode. Smithsonian Institution, 1846-1896. 1897. p.501-
 515.....qr 506 G62
 Jordan. Leading American men of science. 1910. p.391-403..925 J42
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.145-174.....r 925 N15 v.4
 Philosophical Society of Washington. Bulletin. 1899. v.13, p.396-
 399.....r 506 W27 v.13
 Popular science monthly. 1897. v.50, p.400-406.....r 505 P81 v.50
- *Goodsir, John, 1814-67, *Scottish anatomist.***
 Knight. Some nineteenth century Scotsmen. 1903. p.34-39..920 K34
 Royal Society of London. Proceedings. 1868. v.16,
 p.xiv-xvi.....r 506 R81pr v.16
 Stirling. Some apostles of physiology. 1902. p.118-120..qr 926.1 S86
- Goodwin, Homer Stanley, 1832-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.163-165.....r 620.6 A51p v.19
- Goodwin, John Marston, 1833-91, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.267-270.....r 620.6 A51p v.17

- Goodyear, Charles, 1800–60, American inventor, discoverer of the process of the vulcanization of rubber.**
 Hubert. Inventors. 1893. p.155–177.....926 H87
 Iles. Leading American inventors. 1912. p.176–217.....926 I22
 North American review. 1865. v.101, p.65–102.....r 051 N45 v.101
 Parton. Famous Americans of recent times. 1893. p.309–346...920 P27
 Peirce. Trials of an inventor; life and discoveries of Charles Goodyear. 1866.....92 G636p
 Popular science monthly. 1898. v.53, p.690–700.....r 505 P81 v.53
 Thayer. Men who win. 1897. p.183–202.....920 T34m
- *Gore, George, 1826–1908, English chemist.**
 Royal Society of London. Proceedings. 1910–11. v.84A,
 p.xxi–xxii.....r 506 R81pr v.84A
- *Gore, John Ellard, 1845–1910, Irish astronomer.**
 Popular astronomy. 1910. v.18, p.519–525.....qr 520.5 P81 v.18
- Gorringe, Henry H. 1840–85, English engineer.**
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.215–216.....r 620.6 A51p v.16
 American Society of Mechanical Engineers. Transactions. 1885.
 v.6, p.875–876.....r 621.05 A5123 v.6
- Gossage, William, 1799–1877, English chemical manufacturer.**
 Allen. Some founders of the chemical industry. 1906. p.1–36. .926.6 A42
- *Gosse, Philip Henry, 1810–88, English zoölogist.**
 Royal Society of London. Proceedings. 1888. v.44,
 p.xxxvii–xxxviii.....r 506 R81pr v.44
- Gottlieb, Abraham, 1837–94, Austrian engineer.**
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.76–78.....r 620.6 A51p v.20
- Gould, Augustus Addison, 1805–66, American naturalist.**
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.5, p.91–113.....r 925 N15 v.5
- Gould, Benjamin Apthorp, 1824–96, American astronomer.**
 American Academy of Arts and Sciences. Proceedings. 1897. v.32,
 p.355–360.....qr 506 A5122p v.32
 Popular astronomy. 1896. v.4, p.337–347.....qr 520.5 P81 v.4
 Popular science monthly. 1882. v.20, p.683–687.....r 505 P81 v.20
 Royal Society of London. Proceedings. 1898. v.62,
 p.i–iii.....r 506 R81pr v.62
- Gould, Edward Sherman, 1837–1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.528–530.....r 620.5 A51 v.54, pt.7
- *Gould, John, 1804–81, English ornithologist.**
 Nature. 1881. v.23, p.364–365.....qr 505 N15 v.23
 Royal Society of London. Proceedings. 1882. v.33,
 p.xvii–xix.....r 506 R81pr v.33

- Graff, Frederic, 1817-90, American engineer.**
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.247-250.....r 620.6 A51p v.17
- Graham, Joseph Marshall, 1850-1909, American engineer.**
 American Society of Civil Engineers. Transactions. 1909. v.64,
 p.583-584.....r 620.5 A51 v.64
- *Graham, Thomas, 1805-69, Scottish chemist.**
 Muir. Heroes of science. 1883. p.232-251.....925.4 M95
 Nature. 1869. v.1, p.20-22.....qr 505 N15 v.1
 Ramsay. Essays, biographical and critical. 1908. p.56-66..540.4 R18
 Roberts. Famous chemists. 1911. p.140-150.....925.4 R53
 Royal Society of London. Proceedings. 1870. v.18,
 p.xvii-xxvi.....r 506 R81pr v.18
 Smithsonian Institution. Annual report. 1871. v.26,
 p.177-216.....r 506 S66 v.26
 Thorpe. Essays in historical chemistry. 1894. p.160-235..925.4 T41
- *Grant, Robert, 1814-92, English astronomer.**
 Royal Society of London. Proceedings. 1895. v.57,
 p.i-iii.....r 506 R81pr v.57
- *Grant, Robert Edmond, 1793-1874, Scottish anatomist and geologist.**
 Royal Society of London. Proceedings. 1875. v.23,
 p.vi-x.....r 506 R81pr v.23
- Grant, William Harrison, 1815-96, American engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.557-558.....r 620.5 A51 v.36
- Grashof, Franz, 1826-93, German engineer.**
 American Society of Mechanical Engineers. Transactions. 1894.
 v.15, p.1183-1184.....r 621.05 A5123 v.15
- Gravatt, William, 1806-66, English engineer.**
 Royal Society of London. Proceedings. 1868. v.16,
 p.xvi-xvii.....r 506 R81pr v.16
- *Graves, Charles, 1812-99, Irish mathematician.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.90-92.....r 506 R81pr v.75
- *Graves, Robert James, 1796-1853, Irish physician.**
 Bettany. Eminent doctors. 1885. v.2, p.202-209.....926.1 B46 v.2
- Gray, Asa, 1810-88, American botanist.**
 American Academy of Arts and Sciences. Proceedings. 1888. v.23,
 p.321-343.....qr 506 A5122p v.23
 American journal of science. 1888. v.135, p.181-203..r 505 A51 v.135
 Gray. Letters. 2v. 1893.....92 G816
 Jordan. Leading American men of science. 1910. p.211-231..925 J42
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.161-175.....r 925 N15 v.3
 Popular science monthly. 1872. v.1, p.491-495.....r 505 P81 v.1

Gray, Asa—continued.

- Royal Society of London. Proceedings. 1889. v.46,
p.xv-xviii.....r 506 R81pr v.46
- Smithsonian Institution. Annual report. 1888. v.43,
pt.1, p.745-825.....r 506 S66 v.43, pt.1
- Gray, Elisha, 1835-1901, American electrician.**
Popular science monthly. 1879. v.14, p.523-528.....r 505 P81 v.14
- *Green, Alexander Henry, 1832-96, English geologist.**
Royal Society of London. Proceedings. 1898. v.62,
p.v-ix.....r 506 R81pr v.62
- *Green, Joseph Henry, 1791-1863, English surgeon.**
Royal Society of London. Proceedings. 1865. v.14,
p.i-v.....r 506 R81pr v.14
- Green, Norvin, 1818-93, American electrician.**
American Institute of Electrical Engineers. Transactions. 1893.
v.10, p.665-666.....r 621.305 A512 v.10
- Green, Rutger Bleecker, 1868-1908, American engineer.**
American Society of Civil Engineers. Transactions. 1909. v.64,
p.585-586.....r 620.5 A51 v.64
- Greene, Benjamin D. 1793-1862, American botanist.**
Gray. Scientific papers. 1889. v.2, p.310-311.....580.4 G81s v.2
- Greene, Benjamin H. 1830-90, American engineer.**
American Society of Civil Engineers. Proceedings. 1890. v.16,
p.187-188.....r 620.6 A51p v.16
- Greene, David Maxson, 1832-1905, American engineer.**
American Society of Civil Engineers. Transactions. 1906. v.56,
p.466-468.....r 620.5 A51 v.56
- Greene, George Sears, 1801-99, American engineer.**
American Society of Civil Engineers. Transactions. 1902. v.49,
p.335-340.....r 620.5 A51 v.49
- Greene, Joseph Norton, 1827-1904, American engineer.**
American Society of Civil Engineers. Transactions. 1905. v.55,
p.446-447.....r 620.5 A51 v.55
- Greene, Samuel Dana, 1864-1900, American electrical engineer.**
American Institute of Electrical Engineers. Transactions. 1899.
v.16, p.691-695.....r 621.305 A512 v.16
- Greenwood, William Henry, 1832-80, American engineer.**
American Society of Civil Engineers. Proceedings. 1881. v.7,
p.89-90.....r 620.6 A51p v.7
- *Gregory, James, 1753-1821, Scottish physician.**
Bettany. Eminent doctors. 1885. v.1, p.102-108.....926.1 B46 v.1
- *Gregory, John, 1724-73, Scottish physician.**
Bettany. Eminent doctors. 1885. v.1, p.99-102.....926.1 B46 v.1
- *Grew, Nehemiah, 1641-1712, English naturalist.**
Miall. Early naturalists; their lives and work (1530-1789). 1912.
p.166-174.....925.7 M66

***Grew, Nehemiah—continued.**

Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.44-64.....925.8 O23

Griffen, John, 1812-84, American engineer.

American Society of Civil Engineers. Proceedings. 1886. v.12, p.38-39.....r 620.6 A51p v.12

***Griffith, Sir Richard John, 1784-1878, Irish geologist.**

Nature. 1878. v.18, p.627-628.....qr 505 N15 v.18

***Griffith, William, 1810-45, English botanist.**

Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.178-191.....925.8 O23

Gross, Samuel David, 1805-84, American surgeon.

American Philosophical Society. Proceedings. 1884. v.22, p.78-85.....r 506 A512 v.22

Gross. Autobiography, with sketches of his contemporaries. 2v. 1887.....92 G939

Gruner, Louis, 1809-83, French mining engineer.

American Institute of Mining Engineers. Transactions. 1884. v.12, p.126-130.....r 622.05 A51 v.12

Guettard, Jean Étienne, 1715-86, French geologist.

Geikie. Founders of geology. 1905. p.105-139.....550.9 G28

Guido de Cauliaco, 1298?-1370? French surgeon.

Walsh. Catholic churchmen in science. 1906. v.2, p.93-115.....509 W18 v.2

Guild, Josephus Conn, 1862-1907, American engineer.

American Society of Civil Engineers. Transactions. 1907. v.59, p.540-542.....r 620.5 A51 v.59

Guinand, Pierre Louis, 1745-1825, Swiss optician.

Howe. Lives of eminent mechanics. 1857. p.270-276.....926 H85

***Gull, Sir William Withey, 1816-90, English physician.**

Bettany. Eminent doctors. 1885. v.2, p.159-166.....926.1 B46 v.2

Eminent persons. 1893. v.4, p.233-235.....920 E588 v.4

London society. 1877. v.31, p.385-393.....r 052 L8222 v.31

Royal Society of London. Proceedings. 1890. v.48, p.viii-xii.....r 506 R81pr v.48

Gundlach, Johann, 1810-96, German naturalist.

Popular science monthly. 1897. v.50, p.691-697.....r 505 P81 v.50

Gunn, Ronald Campbell, 1808-81, English naturalist.

Royal Society of London. Proceedings. 1883. v.34, p.xiii-xv.....r 506 R81pr v.34

***Guthrie, Frederick, 1833-86, English physicist.**

Nature. 1886. v.35, p.8-10.....qr 505 N15 v.35

***Guthrie, George James, 1785-1856, English surgeon.**

Royal Society of London. Proceedings. 1856. v.8, p.272-274.....r 506 R81pr v.8

- *Guy, William Augustus, 1810–85, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.302–304.....926.1 B46 v.2
- Guyot, Arnold Henry, 1807–84, *Swiss-American geologist.***
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.522–526.....qr 506 A5122p v.19
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.2, p.309–347.....r 925 N15 v.2
 Popular science monthly. 1884. v.25, p.261–265.....r 505 P81 v.25
 Smithsonian Institution. Annual report. 1887. v.42, pt.1, p.693–
 722.....r 506 S66 v.42, pt.1
 Youmans. Pioneers of science in America. 1896. p.492–499..925 Y35
- Gyldén, Johan August Hugo, 1841–96, *Swedish astronomer.***
 Nature. 1896. v.55, p.158–159.....qr 505 N15 v.55
- Gzowski, Sir Casimir Stanislaus, 1813–98, *Russian engineer.***
 American Society of Civil Engineers. Transactions. 1899. v.42,
 p.567–568.....r 620.5 A51 v.42
- Haast, Sir Julius von, 1824–87, *German geologist.***
 Royal Society of London. Proceedings. 1889. v.46,
 p.xxiv–xxvi.....r 506 R81pr v.46
- Hackworth, Timothy, 1786–1850, *English mechanical engineer.***
 Layson. Great engineers. p.285–295.....926 L44
- Hadsall, Joseph Candy, 1873–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1190.....r 620.5 A51 v.75
- Haeckel, Ernst, b. 1834, *German biologist.***
 Baker. Seen in Germany. 1901. p.133–157.....914.3 B17
 Bölsche. Haeckel; his life and work. 1906.....92 H132b
 Popular science monthly. 1910. v.76, p.136–142.....r 505 P81 v.76
- Hagen, Hermann August, 1817–93, *German entomologist.***
 American Academy of Arts and Sciences. Proceedings. 1894. v.29,
 p.419–423.....qr 506 A5122p v.29
- Hague, James Duncan, 1836–1908, *American mining engineer.***
 American Institute of Mining Engineers. Transactions. 1908. v.39,
 p.677–685.....r 622.05 A51 v.39
- Hahnemann, Christian Samuel Friedrich, 1755–1843, *German physician,
 founder of homeopathy.***
 Bradford. Life and letters of Dr Samuel Hahnemann. 1895..92 H147b
- Haidinger, Wilhelm Karl, ritter von, 1795–1871, *German mineralogist.***
 Nature. 1871. v.3, p.450.....qr 505 N15 v.3
 Royal Society of London. Proceedings. 1872. v.20,
 p.xxv–xxvii.....r 506 R81pr v.20
- Haldeman, Samuel Stehman, 1812–80, *American naturalist.***
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.2, p.139–172.....r 925 N15 v.2
 Popular science monthly. 1882. v.21, p.395–401.....r 505 P81 v.21

- *Hales, Stephen, 1677-1761, *English physiologist and botanist.***
 Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.65-83.....925.8 O23
 Stirling. Some apostles of physiology. 1902. p.75-77..qr 926.I S86
- *Halford, Sir Henry, 1766-1844, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.55-59.....926.I B46 v.2
- Hall, Asaph, 1829-1907, *American astronomer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.6, p.241-309.....r 925 N15 v.6
 Popular science monthly. 1894. v.45, p.833-838.....r 505 P81 v.45
- Hall, Christopher Webber, d. 1911, *American geologist.***
 Geological Society of America. Bulletin. 1912. v.23, p.28-30.....qr 550.5 B87 v.23
- Hall, James, 1811-98, *American geologist.***
 Geological Society of America. Bulletin. 1900. v.10, p.425-451.....qr 550.5 B87 v.10
 Popular science monthly. 1884. v.26, p.120-123.....r 505 P81 v.26
- Hall, Julien Astin, 1858-1912, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75, p.1153.....r 620.5 A51 v.75
- *Hall, Marshall, 1790-1857, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.264-285.....926.I B46 v.1
 Royal Society of London. Proceedings. 1857. v.9, p.52-56.....r 506 R81pr v.9
- Haller, Albrecht von, 1708-77, *Swiss physiologist and botanist.***
 Nature. 1878. v.17, p.223-224.....qr 505 N15 v.17
 Nature. 1908. v.79, p.38-40.....qr 505 N15 v.79
 Stirling. Some apostles of physiology. 1902. p.55-57....qr 926.I S86
- *Halley, Edmund, 1656-1742, *English astronomer.***
 Ball. Great astronomers. 1895. p.162-186.....925.2 B21
- Halphen, G. H. 1844-89, *French geometrician.***
 Poincaré. Savants et écrivains. p.125-140.....925 P74
- Hamblet, James, 1824-1900, *American electrician and horologist.***
 American Institute of Electrical Engineers. Transactions. 1901. v.18, p.913-915.....r 621.305 A512 v.18
- *Hamilton, David James, 1849-1909, *Scottish physician.***
 Royal Society of London. Proceedings. 1909. v.81B, p.I-V.....r 506 R81pr v.81B
- *Hamilton, Sir William Rowan, 1805-65, *Irish mathematician and astronomer.***
 American journal of science. 1866. v.92, p.293-302..r 505 A51 v.92
 Ball. Great astronomers. 1895. p.303-334.....925.2 B21
- Hamlin, Charles Edward, 1825-86, *American zoölogist.***
 American Academy of Arts and Sciences. Proceedings. 1886. v.21, p.524-526.....qr 506 A512ap v.21

- *Hanbury, Daniel, 1825-75, *English botanist and pharmacist.***
 Gray. Scientific papers. 1889. v.2, p.401-402.....58o.4 G81s v.2
 Royal Society of London. Proceedings. 1876. v.24,
 p.II-III.....r 506 R81pr v.24
- *Hancock, Albany, 1806-73, *English biologist.***
 Nature. 1873. v.9, p.43-44.....qr 505 N15 v.9
- Hanna, Walter Scott, 1879-1912, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1191-1192.....r 62o.5 A51 v.75
- Hansen, Peter Andreas, 1795-1874, *Danish astronomer.***
 Royal Society of London. Proceedings. 1877. v.25,
 p.V-X.....r 506 R81pr v.25
- Hansteen, Christopher, 1784-1873, *Norwegian magnetician.***
 American Academy of Arts and Sciences. Proceedings. 1873. v.9,
 p.282-285.....qr 506 A5122p v.9
 Royal Society of London. Proceedings. 1876. v.24,
 p.V-VII.....r 506 R81pr v.24
- Harbach, Frederick, 1817-51, *American civil engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.195-198.....r 926 S9a
- *Harcourt, William Venables Vernon, 1789-1871, *English physicist.***
 Royal Society of London. Proceedings. 1872. v.20,
 p.XIII-XVII.....r 506 R81pr v.20
- Hardee, Thomas Sydenham, 1832-80, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1886. v.12,
 p.66-67.....r 62o.6 A51p v.12
- Harding, Henry, 1837-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.72,
 p.591.....r 62o.5 A51 v.72
- Harding, Horace, 1828-99, *American engineer.***
 American Society of Civil Engineers. Transactions. 1900. v.43,
 p.618-619.....r 62o.5 A51 v.43
- Hare, Robert, 1781-1858, *American chemist.***
 Popular science monthly. 1893. v.42, p.695-699.....r 505 P81 v.42
 Youmans. Pioneers of science in America. 1896. p.176-181..925 Y35
- *Hargreaves, James, d. 1778, *English mechanical engineer, inventor of the spinning-jenny.***
 Howe. Lives of eminent mechanics. 1857. p.347-350.....926 H85
- Harkness, William, 1837-1903, *American astronomer.***
 Philosophical Society of Washington. Bulletin. 1903. v.14, p.292-
 296.....r 506 W27 v.14
- Harland, E. J. b. 1831, *English ship-builder.***
 Smiles. Men of invention and industry. 1885. p.284-318..926 S64
- *Harley, George, 1829-96, *English physician.***
 Royal Society of London. Proceedings. 1897. v.61,
 p.V-X.....r 506 R81pr v.61

- *Harriot, Thomas, 1560-1621, *English mathematician and astronomer.***
 Stevens. Thomas Harriot, the mathematician, the philosopher and the scholar. 1900. r 92 H271
- *Harris, Sir William Snow, 1791-1867, *English electrician.***
 Royal Society of London. Proceedings. 1868. v.16, p.xviii-xxii. r 506 R81pr v.16
- *Harrison, John, 1693-1776, *English horologist.***
 Smiles. Men of invention and industry. 1885. p.72-104. 926 S64
- Hartshorne, Henry, 1823-97, *American physician.***
 American Philosophical Society. Proceedings. 1900. v.39, p.i-xii. r 506 A512 v.39
- Hartt, Charles Frederic, 1840-78, *American geologist.***
 Nature. 1878. v.18, p.174-175. qr 505 N15 v.18
 Popular science monthly. 1878. v.13, p.231-235. r 505 P81 v.13
- Harvey, Hayward Augustus, 1824-93, *American mechanical engineer.***
 Harvey, T. W. ed. Memoir of Hayward Augustus Harvey. 1900. 92 H335h
- *Harvey, William, 1578-1657, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.25-51. 926.1 B46 v.1
 Da Costa. Harvey and his discovery. 1879. r 92 H336d
 Foster. Lectures on the history of physiology. 1901. p.41-54. 612.09 F81
 Harvey. Works. 1847. p.17-87. r 612.1 H33
 Nasmith. Makers of modern thought. 1892. v.1, p.234-246. 921 N14 v.1
 Nature. 1878. v.17, p.417-420. qr 505 N15 v.17
 Power. William Harvey. 1898. 92 H336p
 Stirling. Some apostles of physiology. 1902. p.11-13. qr 926.1 S86
- *Harvey, William Henry, 1811-66, *Irish botanist.***
 Gray. Scientific papers. 1889. v.2, p.337-342. 580.4 G81s v.2
 Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.204-224. 925.8 O23
 Royal Society of London. Proceedings. 1868. v.16, p.xxii-xxiii. r 506 R81pr v.16
 Smithsonian Institution. Annual report. 1867. v.22, p.131-134. r 506 S66 v.22
- Hasbrouck, Charles Alfred, 1864-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.70, p.473. r 620.5 A51 v.70
- Haskell, Charles Frederic Beals, 1856-95, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1895. v.21, p.181-182. r 620.6 A51p v.21
- Haslett, Sullivan, 1843-87, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13, p.127-128. r 620.6 A51p v.13
- Haswell, Charles Haynes, 1809-1907, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.61, p.553-555. r 620.5 A51 v.61

Haswell, Charles Haynes—continued.

American Society of Mechanical Engineers. Transactions. 1907.
v.29, p.1149-1155.....r 621.05 A5123 v.29

Hatcher, John Bell, 1861-1904, American paleontologist.

Geological Society of America. Bulletin. 1905. v.16,
p.548-555.....qr 550.5 B87 v.16

Hatfield, Robert G. 1815-79, American engineer.

American Society of Civil Engineers. Transactions. 1896. v.36,
p.558-559.....r 620.5 A51 v.36

***Houghton, Samuel, 1821-97, English geologist and physician.**

Royal Society of London. Proceedings. 1898. v.62,
p. XXXIX-XXXVII.....r 506 R81pr v.62

Haupt, Herman, 1817-1905, American military engineer.

Haupt. Reminiscences, giving hitherto unpublished official orders,
personal narratives of important military operations and interviews
with President Lincoln and others; with notes and a personal sketch
by F. A. Flower. 1901.....q 973.7 H35

Haüy, René Just, 1743-1822, French mineralogist.

American journal of science. 1824. v.8, p.362-371....r 505 A51 v.8
Smithsonian Institution. Annual report. 1860. v.15,
p.376-392.....r 506 S66 v.15
Walsh. Catholic churchmen in science. 1906. v.1,
p.169-192.....509 W18 v.1

Hawes, Louis Edwin, 1860-1911, American engineer.

American Society of Civil Engineers. Transactions. 1911. v.73,
p.508-509.....r 620.5 A51 v.73

Hawkins, Bisset, 1796-1894, English physician.

Royal Society of London. Proceedings. 1895. v.57,
p. XXIV-XXV.....r 506 R81pr v.57

Hawkins, Irving, 1863-1911, American engineer.

American Society of Civil Engineers. Transactions. 1911. v.74,
p.523-524.....r 620.5 A51 v.74

***Hawkshaw, Sir John, 1811-91, English engineer.**

American Society of Civil Engineers. Proceedings. 1891. v.17,
p.250-252.....r 620.6 A51p v.17
Royal Society of London. Proceedings. 1892. v.50,
p. I-IV.....r 506 R81pr v.50

***Hawksley, Thomas, 1807-93, English engineer.**

Royal Society of London. Proceedings. 1894. v.55,
p. XVI-XVII.....r 506 R81pr v.55

Hay, Gustavus, 1830-1908, American oculist.

American Academy of Arts and Sciences. Proceedings. 1909. v.44,
p.747-749.....qr 506 A5122p v.44

Hay, Robert, 1835-95, American geologist.

Geological Society of America. Bulletin. 1897. v.8,
p.370-374.....qr 550.5 B87 v.8

- Hayden, Ferdinand Vandever, 1829-87, American geologist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.397-413.....r 925 N15 v.3
 Philosophical Society of Washington. Bulletin. 1888-91. v.11,
 p.476-478.....r 506 W27 v.11
- Hayes, Augustus Allen, 1806-82, American chemist.**
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.422-427.....qr 506 A5122p v.18
- Hayes, Richard Somers, 1845-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.55,
 p.448-450.....r 620.5 A51 v.55
- Hays, Isaac, 1796-1879, American physician.**
 American Academy of Arts and Sciences. Proceedings. 1880. v.15,
 p.380-381.....qr 506 A5122p v.15
- *Hayward, Robert Baldwin, 1829-1903, English mathematician.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.270-272.....r 506 R81pr v.75
- Hazen, Henry Allen, 1849-1900, American meteorologist.**
 Philosophical Society of Washington. Bulletin. 1900. v.13, p.401-
 404.....r 506 W27 v.13
- Hazen, William B. 1830-87, American meteorologist.**
 Nature. 1887. v.35, p.541-543.....qr 505 N15 v.35
- *Hedley, William, 1779-1843, English mechanical engineer.**
 Layson. Great engineers. p.269-284.....926 L44
- Heer, Oswald, 1809-83, Swiss paleobotanist.**
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.556-559.....qr 506 A5122p v.19
 Popular science monthly. 1886. v.29, p.546-553.....r 505 P81 v.29
- Hegeman, Allen B. 1861-92, American engineer.**
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.171.....r 620.6 A51p v.19
- Heilprin, Angelo, 1853-1907, Hungarian-American geologist.**
 Geological Society of America. Bulletin. 1909. v.19,
 p.527-536.....qr 550.5 B87 v.19
- Heinrich, Oswald J. 1827-86, German mining engineer.**
 American Institute of Mining Engineers. Transactions. 1886. v.14,
 p.784-789.....r 622.05 A51
- Helmholtz, Hermann Ludwig Ferdinand von, 1821-94, German physiologist and physicist.**
 American Academy of Arts and Sciences. Proceedings. v.30, p.592-
 598.....qr 506 A5122p v.30
 Chemical Society of London. Memorial lectures, 1893-1900. 1901.
 p.885-912.....925.4 C42
 Königsberger. Hermann von Helmholtz. 1906.....92 H49k
 M'Kendrick. Hermann Ludwig Ferdinand von Helmholtz.
 1899.....92 H429m

- Helmholtz, Hermann Ludwig Ferdinand von—continued.**
 Nature. 1877. v.15, p.389-391.....qr 505 N15 v.15
 Ostwald. Grosse männer. 1909. p.256-310.....925 O29
 Popular science monthly. 1874. v.5, p.231-234.....r 505 P81 v.5
 Royal Society of London. Proceedings. 1896. v.59,
 p.xvii-xxx.....r 506 R81pr v.59
 Schulze. Die grossen physiker. 1910. p.82-107.....925.3 S39
 Smithsonian Institution. Annual report. 1894. v.49, pt.1, p.709-
 718.....r 506 S66 v.49, pt.1
 Smithsonian Institution. Annual report. 1895. v.50, pt.1, p.787-
 793.....r 506 S66 v.50, pt.1
- Helmont, Jean Baptiste, 1577-1644, Belgian physiologist.**
 Foster. Lectures on the history of physiology. 1901.
 p.128-144.....612.09 F81
- Hemming, Dunkin Wirgman, 1860-1906, Canadian engineer.**
 American Society of Civil Engineers. Transactions. 1907. v.59,
 p.543-544.....r 620.5 A51 v.59
- *Henderson, William, 1810-72, Scottish physician.**
 Knight. Some nineteenth century Scotsmen. 1903. p.59-61..920 K34
- *Henfrey, Arthur, 1819-59, English botanist.**
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.192-203.....925.8 O23
- Henle, Friedrich Gustav Jakob, 1809-85, German anatomist and physiologist.**
 Royal Society of London. Proceedings. 1886. v.39,
 p.iii-viii.....r 506 R81pr v.39
- Hennessy, Henry, 1826-1901, Irish physicist and mathematician.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.140-142.....r 506 R81pr v.75
- Henney, James Barclay, 1842-1901, American mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1902.
 v.23, p.851-852.....r 621.05 A5123 v.23
- Henning, Gustavus Charles, 1855-1910, American engineer.**
 American Society of Mechanical Engineers^{tr}. Transactions. 1910.
 v.32, p.1484-1486.....r 621.05 A5123 v.32
- Henry, Daniel Farrand, 1833-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.420-422.....r 620.5 A51 v.71
- Henry, Joseph, 1799-1878, American physicist.**
 American Academy of Arts and Sciences. Proceedings. 1879. v.14,
 p.356-367.....qr 506 A5122p v.14
 American Institute of Electrical Engineers. Transactions. 1912.
 v.31, pt.3, p.1809-1816.....r 621.305 A512 v.31, pt.3
 American journal of science. 1878. v.115, p.462-468...r 505 A51 v.115
 Bolton. Famous men of science. 1889. p.275-301.....925 B61
 Dickerson. Joseph Henry & the magnetic telegraph.
 1885.r 92 H4522d

Henry, Joseph—continued.

- Goode. Smithsonian Institution, 1846-96. 1897. p.115-156.....qr 506 G62
Jordan. Leading American men of science. 1910. p.119-146..925 J42
National Academy of Sciences. Biographical memoirs. 1877-1909. v.5, p.1-45.....r 925 N15 v.5
Nature. 1878. v.18, p.143-144.....qr 505 N15 v.18
Popular science monthly. 1873. v.2, p.741-744.....r 505 P81 v.2
Smithsonian Institution. Annual report. 1878. v.33, p.143-177, 262-360.....r 506 S66 v.33
Smithsonian Institution. Miscellaneous collections. 1881. v.20, p.203-373; v.21, p.1-508.....qr 506 S66m v.20-21
Youmans. Pioneers of science in America. 1896. p.354-367..925 Y35

Henry, William, 1729-86, American inventor.

- Jordan. Life of William Henry, of Lancaster, Pennsylvania, 1729-1786, patriot, military officer, inventor of the steamboat. 1910..92 H453J

***Henslow, John Stevens, 1796-1861, English botanist.**

- Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.151-163.....925.8 O23

Hequembourg, Charles Ezra, 1845-1907, American engineer.

- American Society of Civil Engineers. Transactions. 1907. v.59, p.545-548.....r 620.5 A51 v.59

Herbert, Arthur Powis, 1855-1912, American engineer.

- American Society of Civil Engineers. Transactions. 1912. v.75, p.1154.....r 620.5 A51 v.75

Hermans, Charles, 1830-1908, American engineer.

- American Society of Civil Engineers. Transactions. 1909. v.65, p.525-528.....r 620.5 A51 v.65

Hermite, Charles, 1822-1901, French mathematician.

- Royal Society of London. Proceedings. 1904-05. v.75, p.142-145.....r 506 R81pr v.75

Herrmann, Friedrich Gustav, 1836-1907, German engineer.

- American Society of Mechanical Engineers. Transactions. 1908. v.30, p.1215-1217.....r 621.05 A5123 v.30

***Herschel, Alexander Stewart, 1836-1907, English astronomer.**

- Royal Society of London. Proceedings. 1908. v.80A, p.XIX-XXIII.....r 506 R81pr v.80A

Herschel, Clemens, American engineer.

- Kent. An appreciation of two great workers in hydraulics. 1912.qr 926 K19

***Herschel, Sir John Frederick William, 1792-1871, English astronomer and physicist, son of Sir William Herschel.**

- Ball. Great astronomers. 1895. p.247-271.....925.2 B21
Clerke. The Herschels and modern astronomy. 1895....92 H479c
Eminent persons. 1892. v.1, p.33-36.....920 E588 v.1

- *Herschel, Sir John Frederick William—continued.**
 Royal Society of London. Proceedings. 1872. v.20,
 p.xvii-xxiii.....r 506 R81pr v.20
 Smithsonian Institution. Annual report. 1871. v.26,
 p.109-135.....r 506 S66 v.26
- *Herschel, Sir William, 1738-1822, German-English astronomer.**
 Ball. Great astronomers. 1895. p.200-218.....925.2 B21
 Bolton. Famous men of science. 1889. p.81-106.....925 B61
 Clerke. The Herschels and modern astronomy. 1895.....92 H479c
 Holden. Sir William Herschel. 1881.....92 H479h
 Lodge. Pioneers of science. 1893. p.274-293.....520.9 L76
 Morton. Heroes of science. 1882. p.269-292.....925.2 M92
 Nature. 1881. v.23, p.429-431, 453-455, 573-575.....qr 505 N15 v.23
 Sime. William Herschel and his work. 1900.....92 H479s
 Smithsonian Institution. Annual report. 1870. v.25,
 p.197-222.....r 506 S66 v.25
- Hertz, Heinrich, 1857-94, German physicist.**
 Popular science monthly. 1894. v.45, p.401-409.....r 505 P81 v.45
 Smithsonian Institution. Annual report. 1894. v.49, pt.1, p.719-
 726.....r 506 S66 v.49, pt.1
- *Hewitson, William Chapman, 1806-78, English naturalist.**
 Nature. 1878. v.18, p.196-197.....qr 505 N15 v.18
- *Hicks, Henry, 1837-99, English geologist.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.106-109.....r 506 R81pr v.75
- Hilgard, Julius Erasmus, 1825-91, German-American engineer.**
 American Academy of Arts and Sciences. Proceedings. 1891. v.26,
 p.370-373.....qr 506 A5122p v.26
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.189-190.....r 620.6 A51p v.18
 Nation. 1891. v.52, p.398-399.....qr 071 N15 v.52
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.327-338.....r 925 N15 v.3
 Philosophical Society of Washington. Bulletin. 1892-94. v.12,
 p.462-465.....r 506 W27 v.12
 Popular science monthly. 1875. v.7, p.617-618.....r 505 P81 v.7
- Hill, Henry Barker, 1849-1903, American chemist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.5, p.255-266.....r 925 N15 v.5
 Science. 1903. v.40 (n. s. v.17), p.841-843.....qr 505 S41 v.40
- *Hill, John, 1716?-75, English botanist.**
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.84-107.....925.8 O23
- Hill, Thomas, 1818-91, American mathematician.**
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.426-437.....qr 506 A5122p v.27
 Unitarian review. 1891. v.36, p.473-480.....r 205 U25 v.36

- Hillman, Charles Fletcher, 1835-1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.345-346.....r 620.5 A51 v.49
- Hinckley, John Franklin, 1849-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.73,
 p.504-505.....r 620.5 A51 v.73
- *Hinton, James, 1822-75, *English aural surgeon.***
 Bettany. Eminent doctors. 1885. v.2, p.277-284.....926.1 B46 v.2
- Hirn, Gustav Adolf, 1815-90, *German engineer.***
 American Society of Mechanical Engineers. Transactions. 1890.
 v.11, p.1149-1151.....r 621.05 A5123 v.11
- Hirsch, Joseph, 1836-1901, *French mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1902.
 v.23, p.846-849.....r 621.05 A5123 v.23
- *Hirst, Thomas Archer, 1830-92, *English mathematician.***
 Royal Society of London. Proceedings. 1893. v.52,
 p.xii-xviii.....r 506 R81pr v.52
- His, Wilhelm, 1831-1904, *Swiss anatomist.***
 Nature. 1904. v.70, p.58.....qr 505 N15 v.70
- Hitchcock, Charles Henry, b. 1836, *American geologist.***
 Popular science monthly. 1898. v.54, p.260-268.....r 505 P81 v.54
- Hitchcock, Edward, 1793-1864, *American geologist.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.113-134.....r 925 N15 v.1
 Popular science monthly. 1895. v.47, p.689-696.....r 505 P81 v.47
 Youmans. Pioneers of science in America. 1896. p.290-299..925 Y35
- Hite-Smith, Van Dusen, 1874-1905, *American engineer.***
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.479-480.....r 620.5 A51 v.56
- Hoadley, John Chipman; 1818-86, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1887.
 v.8, p.724-726.....r 621.05 A5123 v.8
- Hobbs, Alfred Charles, 1812-91, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1892.
 v.13, p.263-274.....r 621.05 A5123 v.13
- Hobby, Arthur Stanley, 1836-1902, *English engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.347-348.....r 620.5 A51 v.49
- Hodges, Richard Manning, 1827-96, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1896. v.31,
 p.355-356.....qr 506 A5122p v.31
- *Hodgkinson, Eaton, 1789-1861, *English engineer.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.xi-xiii.....r 506 R81pr v.12
 Smithsonian Institution. Annual report. 1868. v.23,
 p.203-230.....r 506 S66 v.23

- Hoe, Richard M.** 1812–86, *American printer*.
 American Society of Civil Engineers. Proceedings. 1890. v.16, p.170–172.....r 620.6 A51p v.16
- Hoek, Jacobus van der**, 1862–1909, *Dutch-American engineer*.
 American Society of Civil Engineers. Transactions. 1910. v.70, p.477–479.....r 620.5 A51 v.70
- Hoff, Jacobus Hendricus, van't**, 1852–1911, *Dutch chemist and physicist*.
 American Philosophical Society. Proceedings. 1911. v.50, p.III–XII.....r 506 A512 v.50
 Cohen. Jacobus Henricus van't Hoff; sein leben und wirken. 1912.92 H677c
 Nature. 1911. v.86, p.84–86.....qr 505 N15 v.86
- Hoffmeyer, Niels Hendrick**, 1836–84, *Danish meteorologist*.
 Popular science monthly. 1891. v.39, p.115–120.....r 505 P81 v.39
- Hofmann, August Wilhelm von**, 1818–92, *German chemist*.
 American Academy of Arts and Sciences. Proceedings. 1893. v.28, p.411–418.....qr 506 A5122p v.28
 Chemical Society of London. Memorial lectures, 1893–1900. 1901. p.575–732.925.4 C42
 Popular science monthly. 1884. v.24, p.831–835.....r 505 P81 v.24
 Roberts. Famous chemists. 1911. p.160–175.....925.4 R53
- Hofmeister, Wilhelm Friedrich Benedict**, 1824–77, *German botanist*.
 American Academy of Arts and Sciences. Proceedings. 1877. v.12, p.328–329.....qr 506 A5122p v.12
- Hogg, James Breading**, 1857–1912, *American engineer*.
 American Society of Civil Engineers. Transactions. 1912. v.75, p.1155–1157.....r 620.5 A51 v.75
- Hohlfeld, 1711–71**, *German mechanical engineer*.
 Howe. Lives of eminent mechanics. 1857. p.323–327.....926 H85
- Holbrook, Henry Randall**, 1838–1907, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.73, p.506–507.....r 620.5 A51 v.73
- Holbrook, John Edwards**, 1794–1871, *American physician and naturalist*.
 National Academy of Sciences. Biographical memoirs. 1877–1909. v.5, p.47–77.....r 925 N15 v.5
- Holden, Edward Singleton, b.** 1846, *American astronomer*.
 Popular science monthly. 1886. v.30, p.114–120.....r 505 P81 v.30
- *Holden, Sir Isaac**, 1807–97, *English inventor*.
 Fortunes made in business. 1884. v.1, p.1–44.....926 F79 v.1
- *Holland, Sir Henry**, 1788–1873, *English physician*.
 Bettany. Eminent doctors. 1885. v.2, p.62–70.....926.1 B46 v.2
 Eminent persons. v.1, p.186–194.....920 E588 v.1
 Holland. Recollections of past life. 1872.....92 H723
- Holley, Alexander Lyman**, 1832–82, *American engineer and metallurgist*.
 American Institute of Mining Engineers. Memorial of Alexander Lyman Holley. 1884.....92 H727

Holley, Alexander Lyman—continued.

American Society of Civil Engineers. Proceedings. 1890. v.16,
p.212-215.....r 620.6 A51p v.16

Holloway, Josephus Flavius, 1825-96, American engineer.

American Institute of Mining Engineers. Transactions. 1896. v.26,
p.827-834.....r 622.05 A51 v.26

American Society of Mechanical Engineers. Transactions. 1882
v.3, p.29-67; v.4, p.35-74.....r 621.05 A5123 v.3-4

American Society of Mechanical Engineers. Transactions. 1897.
v.18, p.612-643.....r 621.05 A5123 v.18

Holman, Silas Whitcomb, 1856-1900, American physicist.

American Academy of Arts and Sciences. Proceedings. 1901. v.36,
p.553-556.....qr 506 A5122p v.36

Holmes, Edwin Merritt, 1878-1911, American engineer.

American Society of Civil Engineers. Transactions. 1911. v.72,
p.598.....r 620.5 A51 v.72

***Hooke, Robert, 1635-1703, English physiologist and naturalist.**

Miall. Early naturalists; their lives and work (1530-1789). 1912
p.135-145.....925.7 M66

Stirling. Some apostles of physiology. 1902. p.40-42....qr 926.1 S86

***Hooker, Sir Joseph Dalton, 1817-1911, English botanist.**

Nature. 1877. v.16, p.537-539.....qr 505 N15 v.16

Oliver. Makers of British botany; a collection of biographies by
living botanists. 1913. p.302-323.....925.8 O23

Royal Society of London. Proceedings. 1912. v.85B,
p.I-XXXV.....r 506 R81pr v.85B

Smithsonian Institution. Annual report. 1911. v.66, pt.1, p.659-
671.....r 506 S66 v.66, pt.1

***Hooker, Sir William Jackson, 1785-1865, English botanist.**

American journal of science. 1866. v.91, p.1-10.....r 505 A51 v.91

Gray. Scientific papers. 1889. v.2, p.321-332.....580.4 G81s v.2

Oliver. Makers of British botany; a collection of biographies by
living botanists. 1913. p.126-150.....925.8 O23

Royal Society of London. Proceedings. 1867. v.15,
p.XXV-XXX.....r 506 R81pr v.15

Hopkinson, John, 1849-98, English electrical engineer.

Royal Society of London. Proceedings. 1899. v.64,
p.XVII-XXIV.....r 506 R81pr v.64

Hoppe-Seyler, Felix, 1825-95, German physiological chemist.

Popular science monthly. 1898. v.53, p.542-552.....r 505 P81 v.53

Horan, John Joseph, 1866-1909, American engineer.

American Society of Civil Engineers. Transactions. 1910. v.67,
p.634-635.....r 620.5 A51 v.67

***Horner, Leonard, 1785-1864, Scottish geologist.**

Royal Society of London. Proceedings. 1865. v.14,
p.V-X.....r 506 R81pr v.14

- Horsfield, Thomas, 1773-1859, *American naturalist.***
 Royal Society of London. Proceedings. 1859. v.10,
 p.xix-xxi.....r 506 R81pr v.10
- Horsford, Eben Norton, 1818-93, *American chemist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.340-346.....qr 506 A5122p v.28
- Hosack, David, 1769-1835, *American physician and botanist.***
 Popular science monthly. 1895. v.47, p.834-842.....r 505 P81 v.47
 Youmans. Pioneers of science in America. 1896. p.100-110..925 Y35
- Houghton, Douglass, 1809-45, *American geologist.***
 American journal of science. 1848. v.55, p.217-227...r 505 A51 v.55
 Bradish. Memoir of Douglass Houghton, first state geologist of
 Michigan. 1889.....r 92 H835b
- Houston, John, 1828-96, *Scottish engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39,
 p.694-696.....r 620.5 A51 v.39
- Houzeau de Lehaie, Jean Charles, 1820-88, *Belgian astronomer and
 meteorologist.***
 Popular science monthly. 1891. v.38, p.544-552.....r 505 P81 v.38
- *Howard, Luke, 1772-1864, *English meteorologist.***
 Royal Society of London. Proceedings. 1865. v.14,
 p.x-xii.....r 506 R81pr v.14
- Howe, Elias, 1819-67, *American inventor.***
 Hubert. Inventors. 1893. p.99-110.....926 H87
 Iles. Leading American inventors. 1912. p.338-368.....926 I22
- Howe, Horace Joseph, 1860-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.502-503.....r 620.5 A51 v.74
- Howell, Edwin Eugene, 1845-1912, *American geologist.***
 Geological Society of America. Bulletin. 1912. v.23,
 p.30-32.....qr 550.5 B87 v.23
- Howell, George Washington, 1835-1901, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.351-352.....r 620.5 A51 v.49
- *Howes, Thomas George Bond, 1853-1905, *English zoölogist.***
 Royal Society of London. Proceedings. 1907. v.79A,
 p.xxxi-xxxiv.....r 506 R81pr v.79A
- Hubbard, Joseph Stillman, 1823-63, *American astronomer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.1-34.....r 925 N15 v.1
- Huber, Francis, 1750-1832, *Swiss entomologist.***
 Popular science monthly. 1875. v.6, p.486-498.....r 505 P81 v.6
- *Hudleston, Wilfrid Hudleston, 1828-1909, *English geologist.***
 Royal Society of London. Proceedings. 1909. v.81B,
 p.vi-x.....r 506 R81pr v.81B

Hüe, Anatole François, *marquis de Caligny*. See Caligny, Anatole François Hüe, *marquis de*.

***Huggins, Sir William, 1824–1910, *English astronomer*.**

Nature. 1901. v.64, p.225–226.....qr 505 N15 v.64
Nature. 1910. v.83, p.342–343.....qr 505 N15 v.83
Popular astronomy. 1910. v.18, p.387–401.....qr 520.5 P81 v.18
Popular science monthly. 1892. v.41, p.260–266.....r 505 P81 v.41
Smithsonian Institution. Annual report. 1910. v.65, pt.1, p.307–317.....r 506 S66 v.65, pt.1

***Hughes, David Edward, 1830–1900, *English electrician*.**

Munro. Heroes of the telegraph. 1891. p.251–268.....925 M96

***Hulke, John Whitaker, 1830–95, *English surgeon and paleontologist*.**

Royal Society of London. Proceedings. 1895. v.58, p.XLIX–LIII.....r 506 R81pr v.58

Humboldt, Alexander von, 1769–1859, *German naturalist and traveler*.

Bolton. Famous men of science. 1889. p.107–138.....925 B61

Bruhns. Life of Alexander von Humboldt; compiled in commemoration of the centenary of his birth by J. Löwenberg, Robert Avé-Lallemant and Alfred Dove. 2v. 1873.....92 H923b

Humboldt. Briefe an Varnhagen von Ense aus den jahren 1827 bis 1858, nebst auszügen aus Varnhagen's tagebüchern und briefen von Varnhagen und andern an Humboldt. 1860.....92 H9233br
Humboldt. Letters, 1827–1858, to Varnhagen von Ense. 1860.....r 92 H923

Littell's living age. 1859. v.61, p.643–649.....r 051 L74 v.61

Popular science monthly. 1912. v.80, p.346–359.....r 505 P81 v.80

Royal Society of London. Proceedings. 1859. v.10, p.XXXIX–XLII.....r 506 R81pr v.10

Tuckerman. Characteristics of literature. 1851. v.2, p.56–77.....814 T81 v.2

Ule. Alexander von Humboldt. [1869.].....92 H923u

Humphrey, Henry Cyprian, 1859–1909, *American engineer*.

American Society of Civil Engineers. Transactions. 1910. v.67, p.630.....r 620.5 A51 v.67

Humphrey, John, 1834–1902, *American engineer*.

American Society of Mechanical Engineers. Transactions. 1904. v.25, p.1135–1136.....r 621.05 A5123 v.25

Humphreys, Andrew Atkinson, 1810–83, *American military engineer*.

American Academy of Arts and Sciences. Proceedings. 1884. v.19, p.526–530.....qr 506 A5122p v.19

American Philosophical Society. Proceedings. 1884. v.22, p.48–71.....r 506 A512 v.22

American Society of Civil Engineers. Proceedings. 1890. v.16, p.218–220.....r 620.6 A51p v.16

National Academy of Sciences. Biographical memoirs. 1877–1909. v.2, p.201–215.....r 925 N15 v.2

- Humphreys, Charles, 1853-1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.534-537.....r 620.5 A51 v.58
- *Humphry, Sir George Murray, 1820-96, *English anatomist and surgeon.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.128-130.....r 506 R81pr v.75
- Hunt, Alfred Ephraim, 1855-99, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.557-559.....r 620.5 A51 v.46
- Hunt, Charles Wallace, 1841-1911, *American engineer.***
 American Society of Mechanical Engineers. Transactions. 1911.
 v.33, p.1189-1193.....r 621.05 A5123 v.33
- Hunt, Edward B. 1822-63, *American engineer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.29-41.....r 925 N15 v.3
- Hunt, Randell, 1856-98, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.629-631.....r 620.5 A51 v.45
- *Hunt, Robert, 1807-87, *English scientist and scientific writer.***
 Royal Society of London. Proceedings. 1890. v.47,
 p.I-II.....r 506 R81pr v.47
- Hunt, Thomas Sterry, 1826-92, *American geologist.***
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.367-372.....qr 506 A5122p v.27
 American Institute of Mining Engineers. Transactions. 1892. v.21,
 p.400-410.....r 622.05 A51 v.21
 Geological Society of America. Bulletin. 1893. v.4,
 p.379-393.....qr 550.5 B87 v.4
 Popular science monthly. 1876. v.8, p.486-488.....r 505 P81 v.8
 Royal Society of London. Proceedings. 1892. v.51,
 p.xxiv-xxvii.....r 506 R81pr v.51
- *Hunter, John, 1728-93, *English surgeon.***
 Bettany. Eminent doctors. 1885. v.I, p.133-168.....926.1 B46 v.1
 Nature. 1905. v.71, p.403-405.....qr 505 N15 v.71
 Paget. John Hunter, man of science and surgeon, 1728-1793.
 1898.92 H943p
 Stirling. Some apostles of physiology. 1902. p.58-59..qr 926.1 S86
- *Hunter, William, 1718-83, *English physician.***
 Bettany. Eminent doctors. 1885. v.I, p.120-133.....926.1 B46 v.1
- *Huntsman, Benjamin, 1704-76, *English metallurgist.***
 Smiles. Industrial biography. 1889. p.99-113.....926 S64i
- *Hutton, Frederick Wollaston, 1836-1905, *English geologist.***
 Royal Society of London. Proceedings. 1907. v.79A,
 p.xli-xliv.....r 506 R81pr v.79A
- *Hutton, James, 1726-97, *Scottish geologist.***
 Geikie. Founders of geology. 1905. p.281-316.....550.9 G28

- Hutton, Nathaniel Henry, 1833-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1908. v.60, p.581-585.....r 620.5 A51 v.60
- *Huxley, Thomas Henry, 1825-95, English scientist.**
 Clodd. Pioneers of evolution. 1897. p.185-244.....925 C61
 Davis. Thomas H. Huxley. 1907.....92 H983d
 Fiske. Essays, historical and literary. 1902. v.2, p.199-227.....904 F54 v.2
 Huxley, L. Life and letters of Thomas Henry Huxley, by his son. 2v. 1900.....92 H983h
 Lubbock. Essays and addresses. 1903. p.1-43.....824 L96e
 Mitchell. Thomas Henry Huxley. 1900.....92 H983m
 Nature. 1874. v.9, p.257-258.....qr 505 N15 v.9
 Popular science monthly. 1874. v.4, p.739-743.....r 505 P81 v.4
 Popular science monthly. 1901. v.58, p.337-359.....r 505 P81 v.58
 Royal Society of London. Proceedings. 1896. v.59, p.XLVI-LXVI.....r 506 R81pr v.59
 Smithsonian Institution. Annual report. 1895. v.50, pt.1, p.759-779.....r 506 S66 v.50, pt.1
 Smithsonian Institution. Annual report. 1900. v.55, pt.1, p.701-711.....r 506 S66 v.55, pt.1
 Stephen. Studies of a biographer. 1898-1902. v.3, p.188-219.....928 S82s v.3
- Huygens, Christiaan, 1629-95, Dutch physicist and astronomer.**
 Crew. Wave theory of light. 1900. p.42-43.....535.1 C88
 Popular science monthly. 1886. v.28, p.835-839.....r 505 P81 v.28
 Schulze. Die grossen physiker. 1910. p.49-65.....925.3 S39
- Hyatt, Alpheus, 1838-1902, American zoölogist.**
 American Academy of Arts and Sciences. Proceedings. 1903. v.38, p.715-727.....qr 506 A5122p v.38
 Geological Society of America. Bulletin. 1903. v.14, p.504-512.....qr 550.5 B87 v.14
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.6, p.311-325.....r 925 N15 v.6
 Popular science monthly. 1885. v.28, p.261-267.....r 505 P81 v.28
 Popular science monthly. 1911. v.78, p.129-146.....r 505 P81 v.78
 Science. 1902. v.38 (n. s. v.15), p.300-302.....qr 505 S41 v.38
- Hyde, William B. 1842-82, American engineer.**
 American Society of Civil Engineers. Proceedings. 1890. v.16, p.172-174.....r 620.6 A51p v.16
- Intze, Otto, 1843-1904, German hydraulic engineer.**
 Hennig. Buch berühmter ingenieure. 1911. p.251-271...926.2 H44
- Irving, Roland Duer, 1847-88, American geologist.**
 Philosophical Society of Washington. Bulletin. 1888-91. v.11, p.478-480.....r 506 W27 v.11

- Irwin, Roger Brooke, 1884–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.448.....r 620.5 A51 v.71
- Jackson, Charles Thomas, 1805–80, *American geologist and physician.***
 American Academy of Arts and Sciences. Proceedings. 1881. v.16,
 p.430–432.....qr 506 A5122p v.16
 Popular science monthly. 1881. v.19, p.404–407.....r 505 P81 v.19
- Jackson, John Barnard Swett, 1806–79, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1879. v.14,
 p.344–352.....qr 506 A5122p v.14
- *Jackson, John Hughlings, 1835–1911, *English physician.***
 Royal Society of London. Proceedings. 1911. v.84B,
 p.xviii–xxv.....f 506 R81pr v.84B
- Jackson, William, 1848–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.504–505.....r 620.5 A51 v.74
- *Jago, James, 1815–93, *English physician.***
 Royal Society of London. Proceedings. 1893. v.54,
 p.i–iii.....r 506 R81pr v.54
- James, John Collinson, 1846–83, *English engineer.***
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.164–165.....r 620.6 A51p v.16
- James, Joseph Francis, 1857–97, *American geologist.***
 Geological Society of America. Bulletin. 1898. v.9,
 p.408–412.....qr 550.5 B87 v.9
- James, Thomas Pott, 1803–82, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.419–420.....580.4 G81s v.2
- *Jameson, Robert, 1774–1854, *English mineralogist.***
 Royal Society of London. Proceedings. 1854. v.7,
 p.276–277.....r 506 R81pr v.7
- Jamin, Jules Célestin, 1818–86, *French physicist.***
 Popular science monthly. 1887. v.31, p.262–264.....r 505 P81 v.31
- Janssen, Pierre Jules César, 1824–1907, *French astronomer.***
 Nature. 1908. v.77, p.229–230.....qr 505 N15 v.77
 Royal Society of London. Proceedings. 1908. v.81A,
 p.lxxvii–lxxxix.....r 506 R81pr v.81A
- Jarvis, Edward, 1803–84, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1885. v.20,
 p.519–522.....qr 506 A5122p v.20
- Jedlik, Anianus, 1800–96, *Hungarian physicist.***
 Nature. 1896. v.53, p.516–517.....qr 505 N15 v.53
- Jeffery, Henry Martin, 1826–91, *English mathematician.***
 Royal Society of London. Proceedings. 1892. v.50,
 p.vii–x.....r 506 R81pr v.50

- *Jeffreys, John Gwyn, 1809–85, *Welsh conchologist.***
 Royal Society of London. Proceedings. 1885. v.38,
 p.xiv–xviii.....r 506 R81pr v.38
- Jelinek, Carl, 1822–76, *Austrian meteorologist.***
 Nature. 1876. v.15, p.85–86.....qr 505 N15 v.15
- *Jenkin, Henry Charles Fleeming, 1833–85, *Scottish engineer and electrician.***
 Munro. Heroes of the telegraph. 1891. p.143–171.....925 M96
 Nature. 1885. v.32, p.153–154.....qr 505 N15 v.32
 Royal Society of London. Proceedings. 1886. v.39,
 p.i–iii.....r 506 R81pr v.39
 Stevenson. Memoir of Fleeming Jenkin. 1896.....92 J2568
The same, with Records of a family of engineers. 1896....92 J25681
- *Jenner, Edward, 1749–1823, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.169–201.....926.1 B46 v.1
 Camac. Epoch-making contributions to medicine, surgery and the
 allied sciences. 1900. p.207–211.....610.9 C14
- *Jenner, Sir William, 1815–98, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.118–125.....926.1 B46 v.2
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.28–29.....r 506 R81pr v.75
- Jervis, John Bloomfield, 1795–1885, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.109–116.....r 620.6 A51p v.11
- *Jervois, William Francis Drummond, 1821–97, *English military engineer.***
 Royal Society of London. Proceedings. 1898. v.62,
 p.xxxvii–xl.....r 506 R81pr v.62
- John XXI, pope, 1210?–77, *Spanish scientist.***
 Walsh. Catholic churchmen in science. 1906. v.2,
 p.61–90.....509 W18 v.2
- Johnson, Charles Roberts, 1851–93, *English engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.45–48.....r 620.6 A51p v.20
- *Johnson, Sir George, 1818–96, *English physician.***
 Royal Society of London. Proceedings. 1897. v.60,
 p.xvi–xx.....r 506 R81pr v.60
- Johnson, John Butler, 1850–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.51,
 p.454–456.....r 620.5 A51 v.51
- *Johnson, Manuel John, 1805–59, *English astronomer.***
 Royal Society of London. Proceedings. 1859. v.10,
 p.xxi–xxiv.....r 506 R81pr v.10
- Johnson, Percival Norton, 1793–1866, *English assayer and metallurgist.***
 Royal Society of London. Proceedings. 1868. v.16,
 p.xxiii–xxv.....r 506 R81pr v.16

- Johnson, Samuel William, 1830–1909, *American agricultural chemist.***
 Popular science monthly. 1893. v.43, p.117–120.....r 505 P81 v.43
- Johnson, Wallace Clyde, 1859–1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.538–539.....r 620.5 A51 v.58
- *Joly, Charles Jasper, 1864–1906, *Irish mathematician and astronomer.***
 Royal Society of London. Proceedings. 1906. v.78A,
 p.LXII–LXIX.....r 506 R81pr v.78A
- Jones, William, 1874–1909, *American ethnologist.***
 American museum journal. v.9, p.123–124.....qr 570.7 A51 v.9
- Jones, William Richard, 1839–89, *American engineer.***
 American Institute of Mining Engineers. Transactions. 1889. v.18,
 p.621–624.....r 622.05 A51 v.18
 American Society of Mechanical Engineers. Transactions. 1889.
 v.10, p.838–842.....r 621.05 A5123 v.10
- Jordan, Gabriel, 1831–84, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.184–185.....r 620.6 A51p v.16
- Jordan, Samson, 1831–1900, *Swiss metallurgist.***
 American Institute of Mining Engineers. Transactions. 1901. v.31,
 p.121–124.....r 622.05 A51 v.31
- *Joule, James Prescott, 1818–89, *English physicist.***
 American Academy of Arts and Sciences. Proceedings. 1890. v.25,
 p.346–351.....qr 506 A5122p v.25
 Kelvin. Popular lectures and addresses. 1894. v.2,
 p.558–570.....504 K17 v.2
 Nature. 1882. v.26, p.617–620.....qr 505 N15 v.26
 Nature. 1889. v.40, p.613–614.....qr 505 N15 v.40
 Popular science monthly. 1874. v.5, p.103–107.....r 505 P81 v.5
- Joy, Charles Arad, 1823–91, *American chemist.***
 Popular science monthly. 1893. v.43, p.405–409.....r 505 P81 v.43
- Judah, Theodore Dehone, 1828–63, *American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v.38,
 p.448–452.....r 620.5 A51 v.38
- Jussieu, Antoine Laurent de, 1748–1836, *French naturalist.***
 Miall. Early naturalists; their lives and work (1530–1789). 1912.
 p.351–358.....925.7 M66
- *Kane, Sir Robert John, 1809–90, *Irish chemist.***
 Royal Society of London. Proceedings. 1890. v.47,
 p.XII–XVIII.....r 506 R81pr v.47
- Kanthack, Alfredo Antunes, 1863–98, *Brazilian pathologist.***
 Nature. 1899. v.59, p.252–253.....qr 505 N15 v.59
- Kaye, John. *See Caius, Joannes.***
- Keating, Edward Henry, 1844–1912, *Canadian engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1159–1160.....r 620.5 A51 v.75

- Keefe**, Samuel, 1811–90, *Canadian engineer*.
 American Society of Civil Engineers. Proceedings. 1890. v.16, p.220–223. r 620.6 A51p v.16
- Keeler**, James Edward, 1857–1900, *American astronomer*.
 National Academy of Sciences. Biographical memoirs. 1877–1909. v.5, p.231–246. r 925 N15 v.5
 Popular science monthly. 1900. v.58, p.85–91. r 505 P81 v.58
- Kekulé**, Friedrich August, 1829–96, *German chemist*.
 Chemical Society of London. Memorial lectures, 1893–1900. 1901. p.97–138. 925.4 C42
 Popular science monthly. 1899. v.54, p.401–408. r 505 P81 v.54
 Roberts. Famous chemists. 1911. p.201–207. 925.4 R53
- *Kelland**, Philip, 1808–79, *English physicist and mathematician*.
 Royal Society of London. Proceedings. 1879. v.29, p.vii–x. r 506 R81pr v.29
- Kellogg**, Albert Victor, 1863–1911, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.73, p.510–511. r 620.5 A51 v.73
- *Kelvin**, William Thomson, *baron*, 1824–1907, *English physicist*.
 Glasgow University. Lord Kelvin, professor of natural philosophy in the University of Glasgow, 1846–1899. 1899. q 92 K172
 Gray. Lord Kelvin; an account of his scientific life and work. 1908. 92 K172g
 Munro. Heroes of the telegraph. 1891. p.77–111. 925 M96
 Nature. 1876. v.14, p.385–388. qr 505 N15 v.14
 Nature. 1896. v.54, p.151–152. qr 505 N15 v.54
 Poincaré. Savants et écrivains. p.213–244. 925 P74
 Popular science monthly. 1877. v.10, p.357–360. r 505 P81 v.10
 Popular science monthly. 1908. v.72, p.259–268. r 505 P81 v.72
 Potamian. Makers of electricity. 1909. p.361–395. 925 P84
 Ramsay. Essays, biographical and critical. 1908. p.89–100. . 540.4 R18
 Royal Society of London. Proceedings. 1908. v.81A, p.iii–lxxvi. r 506 R81pr v.81A
 Smithsonian Institution. Annual report. 1908. v.63, pt.1, p.745–768. r 506 S66 v.63, pt.1
 Thompson. Life of William Thomson, baron Kelvin of Largs. 2v. 1910. 92 K172t
- Kenly**, Edward Marion, 1867–1911, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.74, p.506–507. r 620.5 A51 v.74
- Kepler**, Johann, 1571–1630, *German astronomer*.
 Atlantic monthly. 1860. v.5, p.457–467. r 051 A88 v.5
 Ball. Great astronomers. 1895. p.96–115. 925.2 B21
 Brewster. Martyrs of science. 1877. p.187–240. 925 B73
 Lodge. Pioneers of science. 1893. p.58–83. 520.9 L76
 Morton. Heroes of science. 1882. p.88–114. 925.2 M92

Kepler, Johann—continued.

- Smithsonian Institution. Annual report. 1869. v.24,
p.93-110.....r 506 S66 v.24
- Kerl, Bruno, 1824-1905, German metallurgist.**
American Institute of Mining Engineers. Transactions. 1906. v.36,
p.304-306.....r 622.05 A51 v.36
- Kerner, Anton, ritter von Marilaun, 1831-98, Austrian botanist.**
Nature. 1898. v.58, p.251-252.....qr 505 N15 v.58
- Kernot, William Charles, 1845-1909, English engineer.**
American Society of Civil Engineers. Transactions. 1910. v.66,
p.499-500.....r 620.5 A51 v.66
- *Kerr, John, 1824-1907, Scottish physicist.**
Royal Society of London. Proceedings. 1909, v.82A,
p.I-V.....r 506 R81pr v.82A
- Kerr, Walter Craig, 1856-1910, American engineer.**
American Society of Mechanical Engineers. Transactions. 1910.
v.32, p.1487-1488.....r 621.05 A5123 v.32
- Key, John. See Caius, Joannes.**
- Kidder, Jerome Henry, 1842-89, American naval surgeon.**
Philosophical Society of Washington. Bulletin. 1888-91. v.11,
p.480-488.....r 506 W27 v.11
- Killebrew, Samuel, 1840-99, American engineer.**
American Society of Civil Engineers. Transactions. 1899. v.41,
p.639-642.....r 620.5 A51 v.41
- Kimball, Alonzo Smith, 1843-97, American physicist.**
American Academy of Arts and Sciences. Proceedings. 1898. v.33,
p.524-526.....qr 506 A5122p v.33
- King, Clarence, 1842-1901, American geologist.**
American Institute of Mining Engineers. Transactions. 1903. v.33,
p.619-650.....r 622.05 A51 v.33
National Academy of Sciences. Biographical memoirs. 1877-1909.
v.6, p.25-55.....r 925 N15 v.6
New York, Century Association. Clarence King memoirs.
1904.....92 K263n
- *King, Sir George, 1840-1909, English botanist.**
Royal Society of London. Proceedings. 1909. v.81B,
p.XI-XXVIII.....r 506 R81pr v.81B
- Kingman, Lewis, 1845-1912, American engineer.**
American Society of Civil Engineers. Transactions. 1912. v.75,
p.1161-1163.....r 620.5 A51 v.75
- Kingsley, William C. 1833-85, American engineer.**
American Society of Civil Engineers. Transactions. 1896. v.36,
p.612-615.....r 620.5 A51 v.36
- Kircher, Athanasius, 1601-80, Italian scientist.**
Walsh. Catholic churchmen in science. 1906. v.I,
p.III-134.....509 W18 v.I

- Kirchhoff, Gustav Robert, 1824-87, German physicist.**
 American Academy of Arts and Sciences. Proceedings. 1888. v.23, p.370-375.....qr 506 A5122p v.23
 Popular science monthly. 1888. v.33, p.120-124.....r 505 P81 v.33
 Royal Society of London. Proceedings. 1889. v.46, p.vi-ix.....r 506 R81pr v.46
 Smithsonian Institution. Annual report. 1889. v.44, pt.1, p.527-540.....r 506 S66 v.44, pt.1
- Kirkbride, Thomas Story, 1809-83, American physician.**
 American Philosophical Society. Proceedings. 1885. v.22, p.217-227.....r 506 A512 v.22
- Kirkwood, James P. 1807-77, Scottish engineer.**
 American Society of Civil Engineers. Proceedings. 1878. v.4, p.60-65.....r 620.6 A51p v.4
- Kirtland, Jared Potter, 1793-1877, American naturalist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.2, p.127-138.....r 925 N15 v.2
- Knaudt, Adolf, 1825-88, German engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der technik und industrie. 1909. v.1, p.73-83.....qr 609 V27 v.1
- Kneass, Samuel Honeyman, 1806-58, American engineer.**
 Stuart. Lives and works of civil and military engineers of America. 1871. p.173-176.....r 926 S92
- Kneass, Strickland, 1821-84, American engineer.**
 American Philosophical Society. Proceedings. 1884. v.21, p.451-455.....r 506 A512 v.21
- Knight, Frederick Irving, 1841-1909, American physician.**
 American Academy of Arts and Sciences. Proceedings. 1912. v.47, p.867-868.....qr 506 A5122p v.47
- Knight, Jonathan, 1787-1858, American engineer.**
 Stuart. Lives and works of civil and military engineers of America. 1871. p.222-242.....r 926 S92
- Knight, Wilbur Clinton, 1858-1903, American geologist and paleontologist.**
 Geological Society of America. Bulletin. 1904. v.15, p.544-549.....qr 550.5 B87 v.15
- Knight, William Baker, 1848-90, American engineer.**
 American Society of Civil Engineers. Proceedings. 1891. v.17, p.277-278.....r 620.6 A51p v.17
- Knowlton, Charles Andrews, 1867-1903, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.55, p.451-452.....r 620.5 A51 v.55
- Koch, Karl, 1809-79, German botanist.**
 Nature. 1879. v.20, p.173.....qr 505 N15 v.20

- Koch, Robert, 1843–1910, German bacteriologist.**
 Nature. 1910. v.83, p.402–404.....qr 505 N15 v.83
 Popular science monthly. 1889. v.36, p.259–263.....r 505 P81 v.36
 Royal Society of London. Proceedings. 1910–11. v.83B,
 p.xviii–xxiv.....r 506 R81pr v.83B
 Smithsonian Institution. Annual report. 1911. v.66, pt.1, p.651–
 658.....r 506 S66 v.66, pt.1
- Kohlrausch, Friedrich, 1840–1910, German physicist.**
 Goodwin. Fundamental laws of electrolytic conduction. 1899.
 p.92–93.541.17 G63
 Kohlrausch. Gesammelte abhandlungen. 1911. v.2, p.xxxv–
 lxxii.....r 530.4 K36 v.2
 Royal Society of London. Proceedings. 1911. v.85A,
 p.xi–xiv.....r 506 R81pr v.85A
- Kölliker, Rudolph Albert von, 1817–1905, Swiss anatomist and physiologist.**
 Nature. 1898. v.58, p.1–4.....qr 505 N15 v.58
 Smithsonian Institution. Annual report. 1905. v.60, pt.1, p.557–
 562.....r 506 S66 v.60, pt.1
- König, Friedrich, 1774–1833, German printer.**
 Smiles. Men of invention and industry. 1885. p.153–179...926 S64
- König, Karl Rudolph, 1832–1901, German physicist.**
 Nature. 1901. v.64, p.630–632.....qr 505 N15 v.64
 Popular science monthly. 1890. v.37, p.545–550.....r 505 P81 v.37
- Kopp, Hermann, 1817–92, German chemist.**
 Chemical Society of London. Memorial lectures, 1893–1900. 1901.
 p.775–815.925.4 C42
 Nature. 1892. v.45, p.441–442.....qr 505 N15 v.45
 Royal Society of London. Proceedings. 1897. v.60,
 p.i–v.....r 506 R81pr v.60
 Thorpe. Essays in historical chemistry. 1894. p.299–349..925.4 T41
- Körting, Ernst, b. 1842, German engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
 technik und industrie. 1909. v.1, p.200–211.....qr 609 V27 v.1
- Krupp, Alfred, 1812–87, German iron and steel manufacturer.**
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.609–611.....r 620.5 A51 v.36
- Kundt, August, 1839–94, German physicist.**
 Nature. 1894. v.50, p.152–153.....qr 505 N15 v.50
- Kupffer, Adolf Theodor von, 1799–1865, German physicist.**
 Royal Society of London. Proceedings. 1867. v.15,
 p.xlvi–xlvii.....r 506 R81pr v.15
- Kurtz, Andreas, 1781–1846, German-English chemical manufacturer.**
 Allen. Some founders of the chemical industry. 1906.
 p.103–150.926.6 A42
- La Beche, Sir Henry de. See De la Beche, Sir Henry.**

- Lacaze-Duthiers, Henri de, 1821-1901, French zoölogist.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.146-150.....r 506 R81pr v.75
- Lacoe, Ralph Dupuy, 1824-1901, American geologist.**
 Geological Society of America. Bulletin. 1901. v.13,
 p.509-515.....qr 550.5 B87 v.13
- Laënnec, René Théophile Hyacinthe, 1781-1826, French physician.**
 Camac. Epoch-making contributions to medicine, surgery and the
 allied sciences. 1909. p.151-156.....610.9 C14
- Lagrange, Joseph Louis, 1736-1813, French mathematician.**
 American journal of science. 1836-37. v.30, p.64-80; v.31, p.97-
 110.....r 505 A51 v.30-31
 Morton. Heroes of science. 1882. p.243-268.....925.2 M92
- Laguerre, Edmond Nicolas, 1834-86, French geometrician.**
 Poincaré. Savants et écrivains. [1910.] p.85-95.....925 P74
- Lamarck, Jean Baptiste Pierre Antoine de Monet, chevalier de, 1744-
 1829, French naturalist.**
 Geikie. Founders of geology. 1905. p.345-363.....550.9 G28
 Packard. Lamarck, the founder of evolution; his life and work.
 1901.92 L177p
 Popular science monthly. 1883. v.24, p.105-111.....r 505 P81 v.24
- Lane, Jonathan Homer, 1810-80, American physicist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.253-264.....r 925 N15 v.3
- Lane, Moses, 1823-82, American engineer.**
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.58-59.....r 620.6 A51p v.19
- Langley, Samuel Pierpont, 1834-1906, American astronomer.**
 Goode. Smithsonian Institution, 1846-96. 1897. p.201-234...qr 506 G62
 Philosophical Society of Washington. Bulletin. 1906. v.15, p.1-
 26.....r 506 W27 v.15
 Popular astronomy. 1906. v.14, p.257-264.....qr 520.5 P81 v.14
 Popular science monthly. 1885. v.27, p.401-409.....r 505 P81 v.27
 Smithsonian Institution. Annual report. 1906. v.61, pt.1, p.515-
 533.....r 506 S66 v.61, pt.1
 Smithsonian Institution. Miscellaneous collections. 1906. v.49,
 p.7-49.....r 506 S66m v.49
- Lapham, Increase Allen, 1811-75, American naturalist.**
 Popular science monthly. 1883. v.22, p.835-840.....r 505 P81 v.22
- Laplace, Pierre Simon, marquis de, 1749-1827, French astronomer.**
 American journal of science. 1834. v.25, p.1-14.....r 505 A51 v.25
 Ball. Great astronomers. 1895. p.219-232.....925.2 B21
 Morton. Heroes of science. 1882. p.243-268.....925.2 M92
 Popular astronomy. 1895. v.3, p.1-12.....qr 520.5 P81 v.3
 Smithsonian Institution. Annual report. 1874. v.29,
 p.129-168.....r 506 S66 v.29

- *Larcom, Sir Thomas, 1801-79, English engineer.**
 Royal Society of London. Proceedings. 1879. v.29,
 p.x-xv.....r 506 R81pr v.29
- La Rive, Auguste Arthur de, 1801-73, Swiss electrician.**
 Nature. 1873. v.9, p.143-144.....qr 505 N15 v.9
 Royal Society of London. Proceedings. 1876. v.24,
 p.xxxvii-xl.....r 506 R81pr v.24
 Smithsonian Institution. Annual report. 1874. v.29,
 p.184-205.....r 506 S66 v.29
- Lartet, Édouard Amand Isidore Hippolyte, 1801-71, French geologist.**
 Smithsonian Institution. Annual report. 1872. v.27,
 p.172-184.....r 506 S66 v.27
- *Lassell, William, 1799-1880, English astronomer.**
 Royal Society of London. Proceedings. 1880. v.30,
 p.vii-x.....r 506 R81pr v.30
- Latcha, Jacob Albert, d. 1904, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.531-533.....r 620.5 A51 v.54, pt.7
- Latham, Norman Smith, 1859-1903, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.542-544.....r 620.5 A51 v.54, pt.7
- Latimer, Charles, 1827-88, American engineer.**
 American Society of Civil Engineers. Proceedings. 1889. v.15,
 p.137-140.....r 620.6 A51p v.15
- Latrobe, Benjamin H. 1806-78, American engineer.**
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.243-256.....r 926 S92
- Laurie, James, 1811-75, Scottish engineer.**
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.553-555.....r 620.5 A51 v.37
- Lavoisier, Antoine Laurent, 1743-94, French chemist.**
 Brougham. Lives of men of letters and science. 1845-46. v.2,
 p.227-275.....qr 928 B77 v.2
 Muir. Heroes of science. 1883. p.79-105.....925.4 M95
 Popular science monthly. 1889. v.35, p.548-553.....r 505 P81 v.35
 Roberts. Famous chemists. 1911. p.41-53.....925.4 R53
 Stirling. Some apostles of physiology. 1902. p.70-72..qr 926.1 S86
 Thorpe. Essays in historical chemistry. 1894. p.87-109..925.4 T41
- *Lawes, Sir John Bennet, 1814-1900, English agriculturist, founder of the
 agricultural experiment station at Rothamsted.**
 Popular science monthly. 1886. v.28, p.694-698.....r 505 P81 v.28
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.228-236.....r 506 R81pr v.75
- Lawrence, Sir William, 1783-1867, English surgeon.**
 Bettany. Eminent doctors. 1885. v.1, p.303-311.....926.1 B46 v.1

Lawrence, Sir William—continued.

Royal Society of London. Proceedings. 1868. v.16,
p.xxv—xxx.....r 506 R81pr v.16

Lawson, William Bateman, 1846–1901, American engineer.

American Society of Civil Engineers. Transactions. 1901. v.46,
p.560–561.....r 620.5 A51 v.46

Lea, Isaac, 1792–1886, American conchologist.

Popular science monthly. 1887. v.31, p.404–411.....r 505 P81 v.31

United States—National museum. Bulletin. 1885. no.23,
p.vii—lix.....r 507 U25b no.23

Youmans. Pioneers of science in America. 1896. p.260–269..925 Y35

Lea, Matthew Carey, 1823–97, American chemist.

National Academy of Sciences. Biographical memoirs. 1877–1909.
v.5, p.155–208.....r 925 N15 v.5

Leather, Basil Henry, 1865–1911, English engineer.

American Society of Civil Engineers. Transactions. 1911. v.74,
p.527–528.....r 620.5 A51 v.74

Le Conte, John, 1818–91, American physicist.

National Academy of Sciences. Biographical memoirs. 1877–1909.
v.3, p.369–393.....r 925 N15 v.3

Popular science monthly. 1889. v.36, p.112–120.....r 505 P81 v.36

Le Conte, John Lawrence, 1825–83, American entomologist.

American Academy of Arts and Sciences. Proceedings. 1884. v.19,
p.511–516.....qr 506 A5122p v.19

American Philosophical Society. Proceedings. 1883. v.21, p.294–
299.....r 506 A512 v.21

National Academy of Sciences. Biographical memoirs. 1877–1909.
v.2, p.261–293.....r 925 N15 v.2

Le Conte, Joseph, 1823–1901, American geologist.

National Academy of Sciences. Biographical memoirs. 1877–1909.
v.6, p.147–218.....r 925 N15 v.6

Science. 1901. v.37 (n. s. v.14), p.273–277.....qr 505 S41 v.37

Lederle, George Anthony, 1858–1905, American engineer.

American Society of Civil Engineers. Transactions. 1911. v.71,
p.423.....r 620.5 A51 v.71

Lee, William, 1841–93, American physician.

Philosophical Society of Washington. Bulletin. 1896. v.13, p.405–
407.....r 506 W27 v.13

Lecuwenhoek, Antony van, 1632–1723, Dutch physiologist.

Miall. Early naturalists; their lives and work (1530–1789). 1912.
p.200–223.....925.7 M66

Popular science monthly. 1901. v.58, p.577–584.....r 505 P81 v.58

Lefavour, Edward Brown, 1854–89, American physicist.

Philosophical Society of Washington. Bulletin. 1888–91. v.11,
p.488–490.....r 506 W27 v.11

- Legendre, Adrien Marie, 1752–1833, French mathematician.**
 Smithsonian Institution. Annual report. 1867. v.22,
 p.137–157.....r 506 S66 v.22
- Leidy, Joseph, 1823–91, American naturalist.**
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.437–442.....qr 506 A5122p v.27
 American Philosophical Society. Proceedings. 1892. v.30, p.135–
 166.....r 506 A512 v.30
 Pennsylvania-German. v.6, p.196–201.....r 974.8 P3994 v.6
 Popular science monthly. 1880. v.17, p.684–691.....r 505 P81 v.17
- Lahaie, Jean Charles Houzeau de. See Houzeau de Lahaie, Jean Charles.**
- Lesage, Louis, 1827–89, Canadian engineer.**
 American Society of Civil Engineers. Proceedings. 1890. v.16,
 p.96–97.....r 620.6 A51p v.16
- L’Escluse, Charles de, 1526–1609, Flemish naturalist.**
 Miall. Early naturalists; their lives and work (1530–1789). 1912.
 p.72–74.....925.7 M66
- Lesley, J. Peter, 1819–1903, American geologist.**
 American Institute of Mining Engineers. Transactions. 1904. v.34,
 p.726–739.....r 622.05 A51 v.34
 American Philosophical Society. Proceedings. 1906. v.45, p.1–
 XIV.....r 506 A512 v.45
 Geological Society of America. Bulletin. 1904. v.15,
 p.532–541.....qr 550.5 B87 v.15
 Popular science monthly. 1884. v.25, p.693–695.....r 505 P81 v.25
 Science. 1903. v.41 (n. s. v.18), p.1–3.....qr 505 S41 v.41
- Lesquereux, Leo, 1806–89, Swiss botanist.**
 American Academy of Arts and Sciences. Proceedings. 1890. v.25,
 p.320–324.....qr 506 A5122p v.25
 American Philosophical Society. Proceedings. 1890. v.28, p.65–
 70.....r 506 A512 v.28
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.3, p.187–212.....r 925 N15 v.3
 Popular science monthly. 1887. v.30, p.835–840.....r 505 P81 v.30
 Youmans. Pioneers of science in America. 1896. p.458–463..925 Y35
- Lesseps, Ferdinand, viscomte de, 1805–94, French engineer.**
 American Academy of Arts and Sciences. Proceedings. 1896. v.31,
 p.370–383.....qr 506 A5122p v.31
 Eminent persons. 1897. v.6, p.161–177.....920 E588 v.6
 Hennig. Buch berühmter ingenieure. 1911. p.103–139...926.2 H44
 Smith. Life and enterprises of Ferdinand de Lesseps. 1893..92 L648s
 Warren. Ten Frenchmen of the 19th century. 1904.
 p.249–265.....920 W24
- Lesueur, Charles Alexandre, 1778–1846, French-American naturalist and ichthyologist.**
 Youmans. Pioneers of science in America. 1896. p.128–139..925 Y35

- Leuckart, Carl Georg Friedrich Rudolf, 1822-98, German zoölogist.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.19-22.....r 506 R81pr v.75
- Leverich, Gabriel, 1834-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.469-470.....r 620.5 A51 v.56
- Leverrier, Urbain Jean Joseph, 1811-77, French astronomer.**
 American Academy of Arts and Sciences. Proceedings. 1878. v.13,
 p.454-455.....qr 506 A5122p v.13
 Ball. Great astronomers. 1895. p.335-353.....925.2 B21
 Eminent persons. 1893. v.2, p.41-44.....920 E588 v.2
- Lewerenz, Alfred Courtney, 1870-1911, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.508-510.....r 620.5 A51 v.74
- Lewis, Henry Carvill, 1853-88, American geologist.**
 Popular science monthly. 1889. v.35, p.401-408.....r 505 P81 v.35
- Lewis, Isaiah William Penn, 1808-56, American engineer.**
 American Society of Civil Engineers. Transactions. 1897. v.38,
 p.453-454.....r 620.5 A51 v.38
- Libby, Edmund Dorman, 1851-1903, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.424-425.....r 620.5 A51 v.71
- Lie, Sophus, 1842-99, Norwegian mathematician.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.60-68.....r 506 R81pr v.75
- Liebig, Justus, baron von, 1803-73, German chemist.**
 Eminent persons. 1892. v.1, p.152-156.....920 E588 v.1
 Muir. Heroes of science. 1883. p.252-293.....925.4 M95
 Nature. 1873. v.8, p.27-28.....qr 505 N15 v.8
 Ostwald. Grosse männer. 1909. p.154-219.....925 O29
 Roberts. Famous chemists. 1911. p.126-139.....925.4 R53
 Royal Society of London. Proceedings. 1876. v.24,
 p.xxxvii-xxxvii.....r 506 R81pr v.24
 Shenstone. Justus von Liebig; his life and work, 1803-1873.
 1895.92 L692a
 Smithsonian Institution. Annual report. 1891. v.46, pt.1, p.257-
 268.....r 506 S66 v.46, pt.1
 Volhard. Justus von Liebig. 2v. 1909.....92 L692v
- *Lilford, Thomas Littleton Powys, baron, 1833-96, English ornithologist.**
 Drewitt. Lord Lilford, Thomas Littleton, fourth baron; a memoir
 by his sister. 1900.....92 L696d
- *Linacre, Thomas, 1460?-1524, English physician.**
 Bettany. Eminent doctors. 1885. v.1, p.1-13.....926.1 B46 v.1
 Walsh. Catholic churchmen in science. 1906. v.1,
 p.79-107.....509 W18 v.1

- Lincoln**, William Shattuck, 1837–1902, *American engineer*.
 American Society of Civil Engineers. Transactions. 1903. v.51,
 p.457–458.....r 620.5 A51 v.51
- Lindenkohl**, Adolph, 1833–1904, *German geodetic surveyor*.
 Philosophical Society of Washington. Bulletin. 1905. v.14, p.296–
 299.....r 506 W27 v.14
- Lindenthal**, Dominik, 1866–1900, *Austrian engineer*.
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.637–639.....r 620.5 A51 v.45
- *Lindley**, John, 1799–1865, *English botanist*.
 Gray. Scientific papers. 1889. v.2, p.333–336.....580.4 G81s v.2
 Oliver. Makers of British botany; a collection of biographies by
 living botanists. 1913. p.164–177.....925.8 O23
 Royal Society of London. Proceedings. 1867. v.15,
 p.xxx–xxxii.....r 506 R81pr v.15
- Linnæus**, Carl von, 1707–78, *Swedish botanist*.
 Bolton. Famous men of science. 1889. p.49–64.....925 B61
 Miall. Early naturalists; their lives and work (1530–1789). 1912.
 p.310–336.925.7 M66
 Popular science monthly. 1889. v.35, p.835–841.....r 505 P81 v.35
 Pulteney. General view of the writings of Linnæus....qr 570 P98
 Smithsonian Institution. Annual report. 1907. v.62, pt.1, p.685–
 709.....r 506 S66 v.62, pt.1
 Smithsonian Institution. Annual report. 1908. v.63, pt.1, p.711–
 743.....r 506 S66 v.63, pt.1
- Lintner**, Joseph Albert, 1822–98, *American entomologist*.
 New York (state)—Museum. Annual report. 1898. v.52, pt.1,
 p.299–400.....qr 507 N26 v.52
- Linville**, John Hays, 1825–1906, *American engineer*.
 American Society of Civil Engineers. Transactions. 1907. v.59,
 p.549–555.....r 620.5 A51 v.59
- Lister**, Sir Joseph, 1827–1912, *English surgeon*.
 Bettany. Eminent doctors. 1885. v.2, p.135–147.....926.1 B46 v.2
 Nature. 1896. v.54, p.1–5.....qr 505 N15 v.54
 Nature. 1913. v.90, p.499–505.....qr 505 N15 v.90
 Pioneers of progress. [1910.] p.95–116.....926 P64
 Popular science monthly. 1898. v.52, p.693–698.....r 505 P81 v.52
 Wrench. Lord Lister; his life and work. [1913.].....92 L737w
- Lister**, Martin, 1638–1712, *English naturalist*.
 Miall. Early naturalists; their lives and work (1530–1789). 1912.
 p.130–134.925.7 M66
- *Liston**, Robert, 1794–1847, *Scottish surgeon*.
 Bettany. Eminent doctors. 1885. v.2, p.24–34.....926.1 B46 v.2
- Littrow**, Carl Ludwig von, 1811–77, *Austrian astronomer*.
 Nature. 1877. v.17, p.83–84.....qr 505 N15 v.17

- *Lizars, John, 1787?-1860, Scottish surgeon.**
 Bettany. Eminent doctors. 1885. v.2, p.48-50.....926.1 B46 v.2
- *Lloyd, Humphrey, 1800-81, Irish optician and magnetician.**
 Royal Society of London. Proceedings. 1880. v.30,
 p. XXI-XXVI.....r 506 R81pr v.30
- L'Obel, Matthias de, 1538-1616, Belgian naturalist.**
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.32-35.....925.7 M66
- Lobelius, Matthias. See L'Obel, Matthias de.**
- Locke, Augustus Woodbury, 1846-93, American engineer.**
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.172-174.....r 620.6 A51p v.19
- *Locke, Joseph, 1805-60, English engineer.**
 Royal Society of London. Proceedings. 1862. v.11,
 p.IX-X.....r 506 R81pr v.11
- Locke, Sylvanus Dyer, 1833-97, American mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1897.
 v.18, p.1094-1100.....r 621.05 A5123 v.18
- Lockwood, Samuel, 1819-94, American zoölogist.**
 Popular science monthly. 1897. v.51, p.692-699.....r 505 P81 v.51
- Loewy, Maurice, 1833-1907, German-French astronomer.**
 Poincaré. Savants et écrivains. p.245-264.....925 P74
- *Logan, Sir William Edmond, 1798-1875, Canadian geologist.**
 American Academy of Arts and Sciences. Proceedings. 1876. v.11,
 p.357-362.....qr 506 A5122p v.11
 Nature. 1875. v.12, p.161-163.....qr 505 N15 v.12
 Popular science monthly. 1883. v.23, p.691-697.....r 505 P81 v.23
 Royal Society of London. Proceedings. 1876. v.24,
 p.I-II.....r 506 R81pr v.24
- Loiseau, Émile François, 1831-86, French engineer.**
 American Society of Mechanical Engineers. Transactions. 1886.
 v.7, p.830-831.....r 621.305 A5123 v.7
- *Lombe, John, 1693?-1722, English inventor.**
 Smiles. Men of invention and industry. 1885. p.105-118..926 S64
- Looker, Henry Brigham, 1858-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.548-550.....r 620.5 A51 v.58
- Loomis, Elias, 1811-89, American mathematician and astronomer.**
 American Academy of Arts and Sciences. Proceedings. 1890. v.25,
 p.324-330.....qr 506 A5122p v.25
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.3, p.213-252.....r 925 N15 v.3
 Popular science monthly. 1892. v.40, p.405-412.....r 505 P81 v.40
 Smithsonian Institution. Annual report. 1890. v.45, pt.1, p.741-
 770.....r 506 S66 v.45, pt.1

- Loring**, Charles Harding, 1828-1907, *American engineer*.
 American Society of Mechanical Engineers. Transactions. 1907.
 v.29, p.1157-1162.....r 621.05 A5123 v.29
- Lotz**, William Herman, 1838-94, *German-American engineer*.
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.74-76.....r 620.6 A51p v.20
- Louis**, P. C. H. 1787-1872, *French physician*.
 American Academy of Arts and Sciences. Proceedings. 1874. v.9,
 p.337-342.....qr 506 A5122p v.9
- Lovering**, Joseph, 1813-92, *American physicist and astronomer*.
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.372-384.....qr 506 A5122p v.27
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.6, p.327-344.....r 925 N15 v.6
 Popular science monthly. 1889. v.35, p.690-697.....r 505 P81 v.35
- Lovett**, Thomas Davis, 1823-97, *American engineer*.
 American Society of Civil Engineers. Transactions. 1898. v.40,
 p.571-577.....r 620.5 A51 v.40
- Low**, Gorham P. 1846-94, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.72-73.....r 620.6 A51p v.20
- *Lowe**, Edward Joseph, 1825-1900, *English meteorologist and naturalist*.
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.101-103.....r 506 R81pr v.75
- Lowell**, John Amory, 1798-1881, *American botanist*.
 Gray. Scientific papers. 1889. v.2, p.421-424.....580.4 G81s v.2
- *Lower**, Richard, 1631-91, *English anatomist*.
 Stirling. Some apostles of physiology. 1902. p.42-43..qr 926.1 S86
- Lowthorp**, Francis C. 1810-90, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.196-198.....r 620.6 A51p v.20
- *Lubbock**, Sir John William, 1803-65, *English astronomer and mathematician*.
 Royal Society of London. Proceedings. 1867. v.15,
 p.xxxii-xxxvii.....r 506 R81pr v.15
- Ludwig**, Karl Friedrich Wilhelm, 1816-95, *German physiologist*.
 Royal Society of London. Proceedings. 1896. v.59,
 p.i-viii.....r 506 R81pr v.59
 Smithsonian Institution. Annual report. 1896. v.51, pt.1, p.365-
 379.....r 506 S66 v.51, pt.1
- Lufkin**, Harvey L. 1857-96, *American electrical engineer*.
 American Institute of Electrical Engineers. Transactions. 1896.
 v.13, p.444-445.....r 621.305 A512 v.13
- Lussac**, Joseph Louis Gay-. *See Gay-Lussac*, Joseph Louis.

- *Lyell, Sir Charles, 1797-1875, *English geologist.***
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.513-517.....qr 506 A5122p v.10
 Bolton. Famous men of science. 1889. p.246-274.....925 B61
 Bonney. Charles Lyell and modern geology. 1895.....92 L987b
 Lyell. Life, letters and journals. 2v. 1881.....92 L987
 Nature. 1875. v.12, p.325-327.....qr 505 N15 v.12
 Popular science monthly. 1872. v.1, p.231-237.....r 505 P81 v.1
 Popular science monthly. 1882. v.20, p.591-609.....r 505 P81 v.20
 Royal Society of London. Proceedings. 1877. v.25,
 p.xi-xiv.....r 506 R81pr v.25
- Lyman, Chester Smith, 1814-90, *American astronomer.***
 Popular science monthly. 1887. v.32, p.116-121.....r 505 P81 v.32
- Lyman, George Hinckley, 1819-91, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.385-387.....qr 506 A5122p v.27
- Lyman, Theodore, 1833-97, *American zoölogist.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.5, p.141-153.....r 925 N15 v.5
- Lyonet, Pierre, 1707-89, *French entomologist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.291-293.925.7 M66
- McAlpine, William Jarvis, 1812-90, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.115-123.....r 620.6 A51p v.18
- McCalla, Richard Calvin, 1864-1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.55,
 p.453-454.....r 620.5 A51 v.55
- McCalley, Henry, 1852-1904, *American geologist.***
 Geological Society of America. Bulletin. 1905. v.16,
 p.555-558.....qr 550.5 B87 v.16
- *McClellan, Frank, 1837-1904, *English astronomer.***
 Nature. 1904. v.71, p.58-59.....qr 505 N15 v.71
 Royal Society of London. Proceedings. 1906. v.78A,
 p.xix-xxiii.....r 506 R81pr v.78A
- McCormick, Cyrus Hall, 1809-84, *American manufacturer, inventor of the reaping machine.***
 Bryson. Inventors of the Scotch-Irish race of America. 1892
 p.16-19.926 B84
 Casson. Cyrus Hall McCormick; his life and work. 1909. 92 M141c
 Hubert. Inventors. 1893. p.207-222.....926 H87
 Iles. Leading American inventors. 1912. p.276-314.....926 I2a
 Wisconsin Historical Society. Proceedings. 1909. v.56, p.234-
 259.....r 977.5 W81p v.56

- *McCoy, Sir Frederick, 1823-99, *Irish geologist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.43-45.....r 506 R81pr v.75
- McCurdy, John Egbert, 1861-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.426-427.....r 620.5 A51 v.71
- McGee, Van Norman, 1873-1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.538-539.....r 620.5 A51 v.54, pt.7
- McGee, William John, 1853-1912, *American geologist.***
 Geological Society of America. Bulletin. 1913. v.24,
 p.18-29.....qr 550.5 B87 v.24
- *Macgrigor, Sir James, 1771-1858, *English army surgeon.***
 Royal Society of London. Proceedings. 1858. v.9,
 p.532-534.....r 506 R81pr v.9
- Mackall, Benjamin Franklin, 1857-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.511-512.....r 620.5 A51 v.74
- McKay, John Edwards, 1837-1910, *American engineer.***
 American Society of Mechanical Engineers. Transactions. 1910.
 v.32, p.1489-1490.....r 621.05 A5123 v.32
- McKean, Reginald, 1867-1901, *Irish engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.366-367.....r 620.5 A51 v.49
- *Mackenzie, Sir Morell, 1837-92, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.249-254.....926.1 B46 v.2
- McKeown, Thomas, 1844-1904, *English engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.428-429.....r 620.5 A51 v.71
- *McLachlan, Robert, 1837-1904, *English entomologist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.367-370.....r 506 R81pr v.75
- *Maclear, Sir Thomas, 1794-1879, *Irish astronomer.***
 Royal Society of London. Proceedings. 1879. v.29,
 p.xviii-xx.....r 506 R81pr v.29
- *McMahon, Charles Alexander, 1830-1904, *English geologist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.363-366.....r 506 R81pr v.75
- MacNaughton, James, 1851-1905, *American engineer.***
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.471-472.....r 620.5 A51 v.56
- McRee, William, 1788-1832, *American engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.170-172.....r 926 S92

- MacRitchie, Charles, 1844-1909, *Scottish engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.64,
 p.587.....r 620.5 A51 v.64
- McVean, John Jay, 1850-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.430.....r 620.5 A51 v.71
- *McWilliam, James Ormiston, 1808-62, *Scottish surgeon.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.LIX-LXI.....r 506 R81pr v.12
- Magendie, François, 1783-1855, *French physician.***
 Smithsonian Institution. Annual report. 1866. v.21,
 p.91-125.....r 506 S66 v.21
 Stirling. Some apostles of physiology. 1902. p.83-84..qr 926.1 S86
- Magnus, Heinrich Gustav, 1802-70, *German physicist.***
 Helmholtz. Popular lectures on scientific subjects. 1881. v.2,
 p.1-25.....504 H42 v.2
 Nature. 1870. v.2, p.143-145.....qr 505 N15 v.2
 Royal Society of London. Proceedings. 1872. v.20,
 p.xxvii-xxix.....r 506 R81pr v.20
 Smithsonian Institution. Annual report. 1870. v.25,
 p.223-230.....r 506 S66 v.25
- Mahan, Dennis Hart, 1802-71, *American military engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.161-162.....r 620.6 A51p v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.29-37.....r 925 N15 v.2
- Malaguti, Faustinus Jovita Marianus, 1802-78, *Italian chemist.***
 Nature. 1878. v.18, p.15.....qr 505 N15 v.18
- Malézieux, Émile, 1822-85, *French engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.524-525.....r 620.5 A51 v.36
- Mallery, Garrick, 1831-94, *American ethnologist.***
 Philosophical Society of Washington. Bulletin. 1892-94. v.12,
 p.466-471.....r 506 W27 v.12
- *Mallet, Robert, 1810-81, *Irish engineer.***
 Royal Society of London. Proceedings. 1882. v.33,
 p.xix-xx.....r 506 R81pr v.33
- Malpighi, Marvello, 1628-94, *Italian physiologist.***
 Foster. Lectures on the history of physiology. 1901.
 p.84-120.....612.09 F81
 Miall. Early naturalists; their lives and work (1530-1789). 1912
 p.145-166.....925.7 M66
 Popular science monthly. 1901. v.58, p.563-570.....r 505 P81 v.58
 Stirling. Some apostles of physiology. 1902. p.22-24..qr 926.1 S86

- Malus, Étienne Louis, 1775–1812, French military engineer and physicist.**
 Arago. Biographies of distinguished scientific men. 1857. p.362–398. r 925 A65
- Marcet, William, 1828–1900, Swiss physician.**
 Royal Society of London. Proceedings. 1904–05. v.75, p.165–169. r 506 R81pr v.75
- Marcgrave, George, 1610–44, German naturalist.**
 Popular science monthly. 1912. v.81, p.250–274. r 505 P81 v.81
- Marcou, Jules, 1824–98, French geologist.**
 American Academy of Arts and Sciences. Proceedings. 1899. v.34, p.651–656. qr 506 A5122p v.34
- Marcy, Oliver, 1820–99, American geologist.**
 Geological Society of America. Bulletin. 1900. v.11, p.537–542. qr 550.5 B87 v.11
- Marignac, Jean Charles Galissard de, 1817–94, Swiss chemist.**
 Chemical Society of London. Memorial lectures, 1893–1900. 1901. p.468–489. 925.4 C42
- Marilaun, Anton Kerner, ritter von. See Kerner, Anton, ritter von Marilaun.**
- Marr, George Anson, 1837–1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.55, p.455. r 620.5 A51 v.55
- Marsh, George Perkins, 1801–82, American geologist.**
 National Academy of Sciences. Biographical memoirs. 1877–1909. v.6, p.71–80. r 925 N15 v.6
- Marsh, Othniel Charles, 1831–99, American geologist and paleontologist.**
 Geological Society of America. Bulletin. 1900. v.11, p.521–537. qr 550.5 B87 v.11
 Jordan. Leading American men of science. 1910. p.283–312. . 925 J42
 Popular science monthly. 1878. v.13, p.612–617. r 505 P81 v.13
- *Marshall, Arthur Milnes, 1852–93, English zoölogist.**
 Royal Society of London. Proceedings. 1895. v.57, p.iii–v. r 506 R81pr v.57
- Marshall, Humphry, 1722–1801, American botanist.**
 Darlington. Memorials of John Bartram and Humphry Marshall, with notices of their botanical contemporaries. 1849. 92 B284d
- *Marshall, John, 1818–91, English physician and anatomist.**
 Royal Society of London. Proceedings. 1891. v.49, p.iv–vii. r 506 R81pr v.49
- Martin, Henry Newell, 1848–96, Irish biologist.**
 Nature. 1896. v.55, p.56–57. qr 505 N15 v.55
 Royal Society of London. Proceedings. 1897. v.60, p.xx–xxiii. r 506 R81pr v.60
- Martin, Robert Kirkwood, 1835–93, American engineer.**
 American Society of Civil Engineers. Proceedings. 1894. v.20, p.43–45. r 620.6 A51p v.20

- Martius**, Karl Friedrich Philipp von, 1794–1868, *German botanist*.
 Royal Society of London. Proceedings. 1870. v.18,
 p.vi–xi.....r 506 R81pr v.18
 Smithsonian Institution. Annual report. 1869. v.24,
 p.169–178.....r 506 S66 v.24
- Mascart**, Éleuthière Élie Nicolas, 1837–1908, *French physicist*.
 Nature. 1908. v.78, p.446–448.....qr 505 N15 v.78
 Royal Society of London. Proceedings. 1909–10. v.83A,
 p.i–ii.....r 506 R81pr v.83A
- *Maskelyne**, Mervyn Herbert Nevil Story, 1823–1911, *English crystal-
 lographer*.
 Nature. 1911. v.86, p.452–453.....qr 505 N15 v.86
- Mason**, Eddy D. 1836–74, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1875. v.1,
 p.329–330.....r 620.6 A51p v.1
- Matcham**, Charles Arthur, 1862–1911, *English engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.513–514.....r 620.5 A51 v.74
- Mather**, William Williams, 1804–59, *American geologist*.
 Popular science monthly. 1896. v.49, p.550–555.....r 505 P81 v.49
 Youmans. Pioneers of science in America. 1896. p.402–409..925 Y35
- Matthiessen**, Augustus, 1831–70, *English chemist*.
 Nature. 1870. v.2, p.517–518.....qr 505 N15 v.2
- *Maudslay**, Henry, 1771–1831, *English mechanical engineer*.
 Smiles. Industrial biography. 1889. p.198–235.....926 S64i
- Maudsley**, Henry, b. 1835, *English physician*.
 Bettany. Eminent doctors. 1885. v.2, p.232–238.....926.1 B46 v.2
- Maury**, Matthew Fontaine, 1806–73, *American meteorologist*.
 Corbin. Life of Matthew Fontaine Maury; comp. by his daughter.
 1888.92 M499c
 Eclectic magazine. 1873. v.81, p.115–119.....r 051 E25 v.8
 Nature. 1873. v.7, p.390–391.....qr 505 N15 v.7
 Popular science monthly. 1890. v.37, p.400–407.....r 505 P81 v.37
 Youmans. Pioneers of science in America. 1896. p.464–474..925 Y35
- Maximowicz**, Charles John, 1827–91, *Russian botanist*.
 American Academy of Arts and Sciences. Proceedings. 1891. v.26,
 p.374–376.....qr 506 A5122p v.26
- *Maxwell**, James Clerk, 1831–79, *Scottish physicist*.
 American Academy of Arts and Sciences. Proceedings. 1880. v.15,
 p.391–394.....qr 506 A5122p v.15
 Campbell & Garnett. Life of James Clerk Maxwell, with selections
 from his writings. 1884.....92 M524c
 Glazebrook. James Clerk Maxwell and modern physics.
 1896.92 M524g
 Lincoln. In memoriam, 1817–1891. 1894. p.544–567.....r 814 L33
 Maxwell. Scientific papers. 1890. v.1, p.ix–xxix..qr 530.4 M52 v.1

***Maxwell, James Clerk—continued.**

- Munro. *Pioneers of electricity*. 1890. p.223-256.....925 M96p
Nature. 1879. v.21, p.43-46.....qr 505 N15 v.21
Popular science monthly. 1880. v.17, p.116-119.....r 505 P81 v.17
Potamian. *Makers of electricity*. 1909. p.334-360.....925 P84
Royal Society of London. *Proceedings*. 1882. v.33,
p.I-XVII.....r 506 R81pr v.33

Mayer, Alfred Marshall, 1836-97, American physicist.

- Popular science monthly. 1876. v.10, p.230-233.....r 505 P81 v.10

Mayer, Julius Robert von, 1814-78, German physicist.

- Nature. 1878. v.17, p.450-452.....qr 505 N15 v.17
Ostwald. *Grosse männer*. 1909. p.61-100.....925 O29
Popular science monthly. 1879. v.15, p.397-407.....r 505 P81 v.15

***Mayow, John, 1643-79, English physiologist.**

- Stirling. *Some apostles of physiology*. 1902. p.44-45..qr 926.1 S86

***Medlicott, Henry Benedict, 1829-1905, Irish geologist.**

- Royal Society of London. *Proceedings*. 1907. v.79A,
p.XIX-XXVI.....r 506 R81pr v.79A

Meek, Fielding Bradford, 1817-76, American geologist.

- American Academy of Arts and Sciences. *Proceedings*. 1877. v.12,
p.321-323.....qr 506 A512ap v.12
National Academy of Sciences. *Biographical memoirs*. 1877-1909.
v.4, p.75-91.....r 925 N15 v.4

Meigs, Charles Delucena, 1792-1869, American physician.

- American Philosophical Society. *Proceedings*. 1873. v.13, p.170-
179.....r 506 A512 v.13

Meigs, John Forsyth, 1818-82, American physician.

- American Philosophical Society. *Proceedings*. 1883. v.21, p.266-
279.....r 506 A512 v.21

Meigs, Montgomery Cunningham, 1816-92, American military engineer.

- National Academy of Sciences. *Biographical memoirs*. 1877-1909.
v.3, p.313-326.....r 925 N15 v.3

Melcher, Frank Otis, 1864-1912, American engineer.

- American Society of Civil Engineers. *Transactions*. 1912. v.75,
p.1166.....r 620.5 A51 v.75

***Meldrum, Charles, 1821-1901, Scottish meteorologist.**

- Royal Society of London. *Proceedings*. 1904-05. v.75,
p.151-152.....r 506 R81pr v.75

Mendel, Gregor Johann, 1822-84, German biologist.

- Walsh. *Catholic churchmen in science*. 1906. v.1, p.195-
221.....509 W18 v.1

Mendeléeff, Dmitri Ivanovitch, 1834-1907, Russian chemist.

- Nature. 1889. v.40, p.193-197.....qr 505 N15 v.40
Popular science monthly. 1891. v.40, p.261-266.....r 505 P81 v.40
Roberts. *Famous chemists*. 1911. p.208-219.....925.4 R53

Mendeléeff, Dmitri Ivanovitch—continued.

- Royal Society of London. Proceedings. 1910-11. v.84A,
p.xvii-xx.....r 506 R81pr v.84A
- Thorpe. Essays in historical chemistry. 1894. p.350-365..9254 T4
- Mendell, George Henry, 1831-1902, American engineer.**
American Society of Civil Engineers. Transactions. 1903. v.51,
p.459-462.....r 620.5 A51 v.51
- Mendenhall, Thomas Corwin, b. 1841, American physicist.**
Popular science monthly. 1890. v.37, p.690-695.....r 505 P81 v.37
- Mercur, Frederick, 1836-88, American engineer.**
American Society of Civil Engineers. Proceedings. 1891. v.17,
p.157-160.....r 620.6 A51p v.17
- Mergenthaler, Ottmar, 1854-99, German-American inventor.**
Iles. Leading American inventors. 1912. p.393-432.....926 I22
- Meriwether, Niles, 1830-1900, American engineer.**
American Society of Civil Engineers. Transactions. 1901. v.45,
p.632-633.....r 620.5 A51 v.45
- Merrick, John Mudge, 1838-79, American chemist.**
American Academy of Arts and Sciences. Proceedings. 1879. v.14,
p.353-354.....qr 506 A5122p v.14
- Merrill, William Emery, 1838-91, American engineer.**
American Society of Civil Engineers. Proceedings. 1892. v.18,
p.90-93.....r 620.6 A51p v.18
- ***Metcalf, John, 1717-1810, English engineer.**
Smiles. Lives of the engineers. 1874. v.3, p.74-98.....926 S64 v.3
- Metcalf, William, 1838-1909, American metallurgist.**
American Institute of Mining Engineers. Transactions. 1910. v.41,
p.865-868.....r 622.05 A51 v.41
American Society of Civil Engineers. Transactions. 1911. v.74,
p.490-491.....r 620.5 A51 v.74
- Meyer, Julius Lothar, 1830-95, German chemist.**
Chemical Society of London. Memorial lectures, 1893-1900. 1901.
p.1403-1439.9254 C42
- Meyer, Victor, 1848-97, German chemist.**
Chemical Society of London. Memorial lectures, 1893-1900. 1901.
p.169-206.9254 C42
Roberts. Famous chemists. 1911. p.232-243.....9254 R53
- Michaelis, Otho Ernest, 1843-90, German-American military engineer.**
American Society of Civil Engineers. Proceedings. 1891. v.17,
p.132-137.....r 620.6 A51p v.17
- Michel-Lévy, Auguste, 1844-1911, French geologist.**
Geological Society of America. Bulletin. 1912. v.23,
p.32-34.....qr 550.5 B87 v.23
- Michie, William Roberts, 1866-99, American engineer.**
American Society of Civil Engineers. Transactions. 1899. v.41,
p.647-648.....r 620.5 A51 v.41

- *Miers, John, 1789–1879, *English botanist.***
 Royal Society of London. Proceedings. 1879. v.29,
 p.xxii–xxiii.....r 506 R81pr v.29
- Miles, Manly, 1826–98, *American agriculturist.***
 Popular science monthly. 1899. v.54, p.834–841.....r 505 P81 v.54
- *Miller, Hugh, 1802–56, *Scottish geologist.***
 Bayne. Essays in biography and criticism. 1880. v.1,
 p.334–362.....r 824 B33
 Bayne. Life and letters of Hugh Miller. 2v. 1882.....92 M692b
 Eclectic magazine. 1854. v.31, p.152–161.....r 051 E25 v.31
 Geikie. Landscape in history, and other essays. 1905. p.257–
 281.550.4 G281
 Leask. Hugh Miller. 1896.....92 M692l
 Miller. My schools and schoolmasters; or, The story of my educa-
 tion. 1882.....92 M692
 Nature. 1902. v.66, p.426–430.....qr 505 N15 v.66
- Miller, Samuel H. 1829–91, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.208–210.....r 620.6 A51p v.17
- Miller, Silvanus, 1851–97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39,
 p.696–698.....r 620.5 A51 v.39
- *Miller, William Hallows, 1801–80, *English crystallographer.***
 American Academy of Arts and Sciences. Proceedings. 1881. v.16,
 p.460–468.....qr 506 A5122p v.16
 Nature. 1880. v.22, p.247–249.....qr 505 N15 v.22
- Mills, James Ellison, 1834–1901, *American geologist.***
 Geological Society of America. Bulletin. 1903. v.14,
 p.512–517.....qr 550.5 B87 v.14
- Milne-Edwards, Henri, 1800–85, *French zoölogist.***
 Popular science monthly. 1883. v.22, p.545–549.....r 505 P81 v.22
 Smithsonian Institution. Annual report. 1893. v.48, pt.1, p.709–
 727.r 506 S66 v.48, pt.1
- Mitchel, Ormsby MacKnight, 1810–62, *American astronomer.***
 Mitchel, F. A. Ormsby MacKnight Mitchel. 1887.....92 M745m
 Popular science monthly. 1884. v.24, p.695–699.....r 505 P81 v.24
- Mitchell, Alexander, 1817–87, *Scottish engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.98–102.....r 620.6 A51p v.13
- Mitchell, Elisha, 1793–1857, *American geologist.***
 Popular science monthly. 1891. v.38, p.398–406.....r 505 P81 v.38
 Youmans. Pioneers of science in America. 1896. p.279–289..925 Y35
- Mitchell, Stephen Arnold, 1863–1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.62,
 p.552–553.....r 620.5 A51 v.62

- Mitchill, Samuel Latham, 1764-1831, *American scientist.***
 Popular science monthly. 1891. v.38, p.691-698. r 505 P81 v.38
 Youmans. *Pioneers of science in America.* 1896. p.71-80. 925 Y35
- Mitscherlich, Eilhardt, 1794-1863, *German chemist and crystallographer.***
 Royal Society of London. *Proceedings.* 1864. v.13,
 p.IX-XVI. r 506 R81pr v.13
- *Mivart, St. George Jackson, 1827-1900, *English biologist.***
 Nature. 1900. v.61, p.569-570. qr 505 N15 v.61
 Royal Society of London. *Proceedings.* 1904-05. v.75,
 p.95-100. r 506 R81pr v.75
- Mohl, Hugo von, 1805-72, *German physiological botanist.***
 Gray. *Scientific papers.* 1889. v.2, p.354-355. 580.4 G81s v.2
 Royal Society of London. *Proceedings.* 1875. v.23,
 p.I-VI. r 506 R81pr v.23
- Mohr, Friedrich, 1806-79, *German chemist and pharmacist.***
 Popular science monthly. 1880. v.17, p.402-404. r 505 P81 v.17
- Moissan, Henri, 1852-1907, *French chemist.***
 Nature. 1907. v.75, p.419-420. qr 505 N15 v.75
 Royal Society of London. *Proceedings.* 1908. v.80A,
 p.xxx-xxxvii. r 506 R81pr v.80A
- Moleschott, Jacob, 1822-93, *Dutch physiologist.***
 Popular science monthly. 1896. v.49, p.399-406. r 505 P81 v.49
- Mond, Ludwig, 1839-1909, *German chemist.***
 Nature. 1909. v.82, p.221-223. qr 505 N15 v.82
- *Monro, Alexander, 1697-1767, *English physician.***
 Bettany. *Eminent doctors.* 1885. v.1, p.75-82. 926.1 B46 v.1
- *Monro, Alexander, 1733-1817, *English physician.***
 Bettany. *Eminent doctors.* 1885. v.1, p.82-87. 926.1 B46 v.1
- Monroe, John Albert, 1836-91, *American engineer.***
 American Society of Civil Engineers. *Proceedings.* 1893. v.19,
 p.148-151. r 620.6 A51p v.19
- Montegazza, Paolo, b. 1831, *Italian anthropologist.***
 Popular science monthly. 1893. v.43, p.549-551. r 505 P81 v.43
- Moore, John Carrick, 1804-98, *English geologist.***
 Royal Society of London. *Proceedings.* 1898. v.63,
 p.xxxix-xxxii. r 506 R81pr v.63
- Morgan, Charles Hill, 1831-1911, *American engineer.***
 American Society of Mechanical Engineers. *Transactions.* 1911.
 v.33, p.1198-1202. r 621.05 A5123 v.33
- Morgan, Lewis Henry, 1818-81, *American ethnologist.***
 National Academy of Sciences. *Biographical memoirs.* 1877-1909.
 v.6, p.219-239. r 925 N15 v.6
 Popular science monthly. 1880. v.18, p.114-121. r 505 P81 v.18
- Morison, George Shattuck, 1842-1903, *American engineer.***
 American Society of Civil Engineers. *Transactions.* 1905. v.54,
 pt.7, p.513-521. r 620.5 A51 v.54, pt.7

- *Morison, Robert, 1620-83, *English botanist.***
 Oliver. Makers of British botany; a collection of biographies by living botanists. 1913. p.8-43.....925.8 O23
- Morley, James Henry, 1824-89, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1890. v.16, p.110-111.....r 620.6 A51p v.16
- Morley, William Raymond, 1846-83, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1883. v.9, p.121-126.....r 620.6 A51p v.9
- Morris, Gouverneur, 1847-97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39, p.698-699.....r 620.5 A51 v.39
- Morris, Robert Campbell, 1817-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18, p.220-222.....r 620.6 A51p v.18
- Morse, Edward Sylvester, b. 1838, *American zoölogist.***
 Popular science monthly. 1878. v.13, p.102-104.....r 505 P81 v.13
- Morse, James Otis, 1818-83, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19, p.47-48.....r 620.6 A51p v.19
- Morse, Samuel Finley Breese, 1791-1872, *American inventor, to whom is generally attributed the invention of the telegraph.***
 Bolton. Famous men of science. 1889. p.202-245.....925 B61
 Bryson. Inventors of the Scotch-Irish race of America. 1892. p.9-15.....926 B84
 Hubert. Inventors. 1893. p.111-154.....926 H87
 Iles. Leading American inventors. 1912. p.119-175.....926 I22
 Jeans. Lives of the electricians. 1887. p.231-322.....925 J22
 Munro. Heroes of the telegraph. 1891. p.45-74.....925 M96
 Prime. Life of Samuel F. B. Morse. 1875.....92 M923p
 Trowbridge. Samuel Finley Breese Morse. 1901.....92 M923t
 United States—Congress. Memorial of Samuel Finley Breese Morse; including appropriate ceremonies of respect at the national capitol and elsewhere. 1875.....qr 92 M923u
 Youmans. Pioneers of science in America. 1896. p.234-249.....925 Y35
- Mortillet, Louis Laurent Gabriel de, 1821-98, *French anthropologist.***
 Popular science monthly. 1899. v.54, p.546-552.....r 505 P81 v.54
- Morton, William Thomas Green, 1819-68, *American dentist.***
 Camac. Epoch-making contributions to medicine, surgery and the allied sciences. 1909. p.301-312.....610.9 C14
 Rice. Trials of a public benefactor as illustrated in the discovery of etherization. 1859.....92 M928r
 Stearns. Cambridge sketches. 1905. p.309-331.....920 S799
- Mosso, Angelo, 1846-1910, *Italian physiologist.***
 Nature. 1910. v.85, p.174-175.....qr 505 N15 v.85

- *Moufet, Thomas, 1553-1604, *English naturalist.***
 Miall. Early naturalists; their lives and work (1530-1789). 1912.
 p.84-87.925.7 M66
- Muhlenberg, Gotthilf Heinrich Ernst, 1753-1815, *American botanist.***
 Popular science monthly. 1894. v.45, p.689-698.r 505 P81 v.45
 Youmans. Pioneers of science in America. 1896. p.58-70. 925 Y35
- Mulder, Gerhard Johannes, 1802-80, *Dutch chemist.***
 Nature. 1880. v.22, p.108-109.qr 505 N15 v.22
- Müller, Ferdinand Jakob Heinrich von, 1825-96, *German botanist.***
 Royal Society of London. Proceedings. 1898. v.63,
 p. xxxii-xxxvi.r 506 R81pr v.63
- Müller, Fritz, 1822-97, *German entomologist.***
 Nature. 1897. v.56, p.546-548.qr 505 N15 v.56
- Müller, Johann, called Regiomontanus, 1436-76, *German astronomer.***
 Walsh. Catholic churchmen in science. 1906. v.2, p.119-
 145.509 W18 v.2
- Müller, Johannes Peter, 1801-58, *German physiologist.***
 Popular science monthly. 1908. v.72, p.513-533.r 505 P81 v.72
 Royal Society of London. Proceedings. 1858. v.9,
 p.556-563.r 506 R81pr v.9
 Stirling. Some apostles of physiology. 1902. p.94-96. qr 926.1 S86
- *Murchison, Charles, 1830-79, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.130-134.r 926.1 B46 v.2
 Royal Society of London. Proceedings. 1879. v.29,
 p. xxxiii-xxv.r 506 R81pr v.29
- *Murchison, Sir Roderick Impey, 1792-1871, *Scottish geologist.***
 Eminent persons. 1892. v.1, p.63-75.920 E588 v.1
 Geikie. Founders of geology. 1905. p.412-433.550.9 G28
 Geikie. Life of Sir Roderick I. Murchison. 2v. 1875.92 M971g
 Nature. 1871. v.5, p.10-12.qr 505 N15 v.5
 Royal Society of London. Proceedings. 1872. v.20,
 p. xxx-xxxiii.r 506 R81pr v.20
- Murdoch, Gilbert, 1820-94, *Scottish engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.152-154.r 620.6 A51p v.20
- *Murdoch, William, 1754-1839, *Scottish engineer.***
 Nicoll. Great movements and those who achieved them. 1882.
 p.372.920 N32
 Smiles. Men of invention and industry. 1885. p.119-152. 926 S64
- *Murray, Matthew, 1765-1826, *English mechanical engineer.***
 Smiles. Industrial biography. 1889. p.260-264.926 S64i
- *Mushet, David, 1772-1847, *Scottish metallurgist.***
 Smiles. Industrial biography. 1889. p.141-148.926 S64i
- *Muspratt, James, 1793-1886, *English chemical manufacturer, founder of
 the alkali industry in Lancashire.***
 Allen. Some founders of the chemical industry. 1906. p.69-
 100.926.6 A42

- *Myddelton, Sir Hugh, 1560-1631, Welsh engineer.**
 London society. 1864. v.6, p.455-466.....r 052 L8222 v.6
 Smiles. Lives of the engineers. 1874. p.48-102.....926 S641 v.1
- Myer, Albert J. 1828-80, American meteorologist.**
 Popular science monthly. 1881. v.18, p.408-411.....r 505 P81 v.18
- *Mylne, William Chadwell, 1781-1863, Scottish engineer.**
 Royal Society of London. Proceedings. 1865. v.14,
 p.xii-xiii.....r 506 R81pr v.14
- Nägeli, Karl Wilhelm von, 1817-91, German botanist.**
 American Academy of Arts and Sciences. Proceedings. 1891. v.26,
 p.376-381.....qr 506 A5122p v.26
 Nature. 1891. v.44, p.580-583.....qr 505 N15 v.44
 Royal Society of London. Proceedings. 1892. v.51,
 p.xxvii.....r 506 R81pr v.51
- *Nasmyth, James, 1808-90, Scottish mechanical engineer and astronomer.**
 Nasmyth. An autobiography; ed. by Samuel Smiles.....92 N146
 Popular science monthly. 1897. v.51, p.117-123.....r 505 P81 v.51
 Smiles. Industrial biography. 1889. p.275-298.....926 S64i
- Nason, Henry Bradford, 1831-95, American chemist.**
 Geological Society of America. Bulletin. 1896. v.7,
 p.479-481.....qr 550.5 B87 v.7
 Popular science monthly. 1888. v.32, p.694-696.....r 505 P81 v.32
- Neff, Peter, 1827-1903, American geologist.**
 Geological Society of America. Bulletin. 1904. v.15,
 p.541-544.....qr 550.5 B87 v.15
- *Neilson, James Beaumont, 1792-1865, Scottish metallurgist.**
 Smiles. Industrial biography. 1889. p.149-161.....926 S64i
- Neilson, Robert, 1837-96, Canadian engineer.**
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.564-565.....r 620.5 A51 v.37
- Neilson, William George, 1842-1906, American metallurgist.**
 American Institute of Mining Engineers. Transactions. 1907. v.38,
 p.402-405.....r 622.05 A51 v.38
- Nelles, George Thomas, 1856-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1908. v.60,
 p.586-587.....r 620.5 A51 v.60
- Neumann, Franz Ernst, 1798-1895, German physicist.**
 Royal Society of London. Proceedings. 1897. v.60,
 p.viii-xi.....r 506 R81pr v.60
- Neumayer, Georg von, 1826-1909, German meteorologist and magnetician.**
 Royal Society of London. Proceedings. 1909-10. v.83A,
 p.xi-xiv.....r 506 R81pr v.83A
- *Newall, Robert Stirling, 1812-89, English engineer and astronomer.**
 Royal Society of London. Proceedings. 1889. v.46,
 p.xxxiii-xxxv.....r 506 R81pr v.46

- Newberry, John Strong, 1822-92, *American geologist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.394-398.....qr 506 A5122p v.28
 Geological Society of America. Bulletin. 1893. v.4,
 p.393-406.....qr 550.5 B87 v.4
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.6, p.1-24.....r 925 N15 v.6
- Newcomb, Simon, 1835-1909, *American astronomer.***
 American Mathematical Society. Bulletin. 1910. v.16,
 p.341-355.....r 510.5 A51 v.16
 American Philosophical Society. Proceedings. 1910. v.49,
 p.III-XVIII.....r 506 A512 v.49
 Johns Hopkins University circular. 1910. no.222, p.77-92...qr 378.7 J35
 Jordan. Leading American men of science. 1910. p.363-389..925 J42
 Newcomb. Reminiscences of an astronomer. 1903.....92 N265
 Philosophical Society of Washington. Bulletin. 1909. v.15, p.133-
 167.....r 506 W27 v.15
- Newcomen, Thomas, 1663-1729, *English engineer.***
 Goddard. Eminent engineers. 1906. p.155-159.....926 G54
- Newell, John, 1830-94, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.172-173.....r 620.6 A51p v.20
- *Newport, George, 1803-54, *English entomologist.***
 Royal Society of London. Proceedings. 1854. v.7,
 p.278-285.....r 506 R81pr v.7
- *Newton, Alfred, 1829-1907, *English ornithologist.***
 Nature. 1907. v.76, p.179-181.....qr 505 N15 v.76
 Royal Society of London. Proceedings. 1908. v.80B,
 p.XLV-XLIX.....r 506 R81pr v.80B
- Newton, Hubert Anson, 1830-96, *American mathematician and astronomer.***
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.99-124.....r 925 N15 v.4
 Popular science monthly. 1885. v.27, p.840-843.....r 505 P81 v.27
 Royal Society of London. Proceedings. 1898. v.63,
 p.I-VI.....r 506 R81pr v.63
- *Newton, Sir Isaac, 1642-1727, *English mathematician and natural philoso-
 pher, discoverer of the law of universal gravitation.***
 Ball. Great astronomers. 1895. p.116-146.....925.2 B21
 Bolton. Famous men of science. 1889. p.28-48.....925 B61
 Brewster. Memoirs of the life, writings and discoveries of Sir
 Isaac Newton. 2v. 1860.....92 N293b
 Lodge. Pioneers of science. 1893. p.161-229.....520.9 L76
 Morton. Heroes of science. 1882. p.141-216.....925.2 M92
 Nasmith. Makers of modern thought. 1892. v.2, p.250-271..921 N14 v.2
 Schulze. Die grossen physiker. 1910. p.21-49.....925.3 S39

- Newton, Isaac, 1837-84, American engineer.**
 American Society of Civil Engineers. Proceedings. 1885. v.11, p.128-129.....r 620.6 A51p v.11
- Newton, John, 1823-95, American military engineer.**
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.4, p.233-240.....r 925 N15 v.4
 Popular science monthly. 1886. v.29, p.834-840.....r 505 P81 v.29
- Nichols, Charles Henry, 1820-89, American physician.**
 Philosophical Society of Washington. Bulletin. 1892-94. v.12, p.477-485.....r 506 W27 v.12
- Nichols, Norman James, 1835-96, American engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36, p.559-560.....r 620.5 A51 v.36
- Nichols, Othniel Foster, 1845-1908, American engineer.**
 American Society of Civil Engineers. Transactions. 1908. v.61, p.564-566.....r 620.5 A51 v.61
 American Society of Mechanical Engineers. Transactions. 1908. v.30, p.1220-1221.....r 621.05 A5123 v.30
- Nichols, William Ripley, 1847-86, American chemist and sanitary engineer.**
 American Academy of Arts and Sciences. Proceedings. 1887. v.22, p.528-534.....qr 506 A5122p v.22
- Nicholson, George Benson, 1840-1906, English engineer.**
 American Society of Civil Engineers. Transactions. 1907. v.59, p.556-561.....r 620.5 A51 v.59
- *Nicholson, Henry Alleyne, 1844-99, English zoölogist and paleontologist.**
 Royal Society of London. Proceedings. 1904-05. v.75, p.35-38.....r 506 R81pr v.75
- Nicholson, Walter Lamb, 1825-95, Scottish topographical surveyor.**
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.407-408.....r 506 W27 v.13
- Nicholson, William Thomas, 1834-93, American mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1893. v.14, p.1451-1452.....r 621.05 A5123 v.14
- Nilson, Lars Fredrik, 1840-1900, Swedish chemist.**
 Chemical Society of London. Memorial lectures, 1893-1900. 1900. p.1277-1294.....925.4 C42
- Nobel, Alfred Bernard, 1833-96, Swedish inventor and philanthropist.**
 Hennig. Buch berühmter ingenieure. 1911. p.140-167....926.2 H44
- Nollet, Jean Antoine, 1700-70, French electrician.**
 Walsh. Catholic churchmen in science. 1906. v.2, p.164-172.....509 W18 v.2
- *Norman, Robert, fl. 1590, English maker of mathematical instruments.**
 Potamian. Makers of electricity. 1909. p.29-35.....925 P84
- North, Edward Payson, 1835-1911, American engineer.**
 American Society of Civil Engineers. Transactions. 1912. v.75, p.1167-1176.....r 620.5 A51 v.75

- Northrup, Herbert Franklin, 1850-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.60,
 p.588-589.....r 620.5 A51 v.60
- Norton, Frederick O. 1838-92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.219-220.....r 620.6 A51p v.18
- Norton, Lewis Mills, 1855-93, *American chemist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.348-351.....qr 506 A5122p v.28
- Norton, William Augustus, 1810-83, *American engineer.***
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.530-534.....qr 506 A5122p v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.189-199.....r 925 N15 v.2
- Nourse, Edwin Green, 1849-97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39,
 p.699-700.....r 620.5 A51 v.39
- Noyes, Albert Franklin, 1850-96, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.560-563.....r 620.5 A51 v.36
- *Nuttall, Thomas, 1786-1859, *English botanist.***
 Popular science monthly. 1895. v.46, p.689-696.....r 505 P81 v.46
 Youmans. Pioneers of science in America. 1896. p.205-214..925 Y35
- Obel, Matthias de l'. *See L'Obel, Matthias de.***
- Ogden, William B. 1805-77, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1878. v.4,
 p.67-71.....r 620.6 A51p v.4
- Ohm, Georg Simon, 1787-1854, *German physicist.***
 Munro. Pioneers of electricity. 1890. p.179-184.....925 M96p
 Potamian. Makers of electricity. 1909. p.258-297.....925 P84
 Royal Society of London. Proceedings. 1855. v.7,
 p.598-602.....r 506 R81pr v.7
 Smithsonian Institution. Annual report. 1891. v.46, pt.1, p.247-
 256.....r 506 S66 v.46, pt.1
- *Oldenburg, Henry, 1615?-77, *English scientist.***
 Nature. 1893. v.49, p.9-12.....qr 505 N15 v.49
- Oliver, James Edward, 1829-95, *American mathematician.***
 American Academy of Arts and Sciences. Proceedings. 1896. v.31,
 p.367-370.....qr 506 A5122p v.31
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.4, p.57-74.....r 925 N15 v.4
- Olmsted, Denison, 1791-1859, *American astronomer and meteorologist.***
 American journal of science. 1859. v.78, p.109-118..r 505 A51 v.78
 Popular science monthly. 1895. v.46, p.401-408.....r 505 P81 v.46
 Youmans. Pioneers of science in America. 1896. p.250-259..925 Y35

- Olney, La Fayette, 1836–1912, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1177.....r 620.5 A51 v.75
- Olney, Robert Blum, 1870–1903, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.50,
 p.510–511.....r 620.5 A51 v.50
- Ørsted, Hans Christian, 1777–1851, *Danish physicist.***
 Munro. Pioneers of electricity. 1890. p.141–158.....925 M96p
 Potamian. Makers of electricity. 1909. p.205–231.....925 P84
 Smithsonian Institution. Annual report. 1868. v.23,
 p.166–184.....r 506 S66 v.23
- Orton, Edward, 1829–99, *American geologist.***
 Geological Society of America. Bulletin. 1900. v.11,
 p.542–550.....qr 550.5 B87 v.11
 Journal of geology. 1900. v.8, p.205–213.....r 550.5 J46 v.8
 Popular science monthly. 1900. v.56, p.607–613.....r 505 P81 v.56
- *Osler, Abraham Follett, 1808–1903, *English meteorologist.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.328–334.....r 506 R81pr v.75
- Owen, David Dale, 1807–60, *American geologist.***
 Popular science monthly. 1895. v.48, p.259–264.....r 505 P81 v.48
 Youmans. Pioneers of science in America. 1896. p.500–508..925 Y35
- *Owen, Sir Richard, 1804–92, *English anatomist.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.418–420.....qr 506 A5122p v.28
 Eminent persons. 1896. v.5, p.291–299.....920 E588 v.5
 Owen, Rev. Richard. Life of Sir Richard Owen, with an essay on
 Owen's position in anatomical science by T. H. Huxley. 2v. 1894..92 O3420
 Popular science monthly. 1883. v.23, p.109–113.....r 505 P18 v.23
 Royal Society of London. Proceedings. 1894. v.55,
 p.I–XIV.....r 506 R81pr v.55
- Packard, Alpheus Spring, 1839–1905, *American naturalist.***
 Popular science monthly. 1888. v.33, p.260–267.....r 505 P81 v.33
 Science. 1905. v.44 (n. s. v.21), p.401–406.....qr 505 S41 v.44
- Paddock, Joseph Hill, 1856–94, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.89–90.....r 620.6 A51p v.20
- *Paget, Sir George Edward, 1809–92, *English physician.***
 Royal Society of London. Proceedings. 1892. v.50,
 p.xiii.....r 506 R81pr v.50
- *Paget, Sir James, 1814–99, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.167–177.....926.I B46 v.2
 Paget. Memoirs and letters of Sir James Paget; ed. by Stephen
 Paget. 1901.....92 P1462
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.136–140.....r 506 R81pr v.75

- Paine, Charles, 1830-1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.60,
 p.575-578.....r 620.5 A51 v.60
- Paine, William H. 1828-90, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.160-163.....r 620.6 A51p v.17
- Palmer, Edward, b. 1821, *English botanist.***
 Popular science monthly. 1911. v.78, p.341-354.....r 505 P81 v.78
- Paracelsus, 1493-1541, *Swiss alchemist.***
 Foster. Lectures on the history of physiology. 1901. p.123-
 128.612.09 F81
- Paré, Ambroise, 1510-90, *French surgeon.***
 Paget. Ambroise Paré and his times, 1510-1590. 1897....92 P231p
- *Paris, John Ayrton, 1785-1856, *English physician.***
 Royal Society of London. Proceedings. 1857. v.9,
 p.56-57.....r 506 R81pr v.9
- Parker, Thomas Jeffery, 1850-97, *English biologist.***
 Royal Society of London. Proceedings. 1899. v.64,
 p.I-VII.....r 506 R81pr v.64
- *Parker, William Kitchen, 1823-90, *English anatomist.***
 Royal Society of London. Proceedings. 1890. v.48,
 p.XV-XX.....r 506 R81pr v.48
 Smithsonian Institution. Annual report. 1890. v.45, pt.1, p.771-
 774.....r 506 S66 v.45, pt.1
- *Parkes, Edmund Alexander, 1819-76, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.296-302.....926.1 B46 v.2
- *Parkinson, Stephen, 1823-89, *English mathematician.***
 Royal Society of London. Proceedings. 1889. v.45,
 p.I-III.....r 506 R81pr v.45
- Parry, Charles Christopher, 1823-90, *American botanist.***
 Philosophical Society of Washington. Bulletin. 1892-94. v.12,
 p.497-499.....r 506 W27 v.12
- *Pasley, Sir Charles William, 1780-1861, *Scottish military engineer.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.XX-XXV.....r 506 R81pr v.12
- Pasteur, Louis, 1822-95, *French chemist, founder of the germ theory of
 disease.***
 Chemical Society of London. Memorial lectures, 1893-1900. 1901.
 p.683-743.925.4 C42
 Duclaux. Pasteur; histoire d'un esprit. 1896.....r 540.9 D86
 Frankland. Pasteur. 1898.....92 P286f
 Horgan. Great Catholic laymen. 1905. p.289-334.....920 H79
 Popular science monthly. 1882. v.20, p.823-829.....r 505 P81 v.20
 Roberts. Famous chemists. 1911. p.176-184.....925.4 R53

Pasteur, Louis—continued.

- Royal Society of London. Proceedings. 1898. v.62,
p.XLIII-LIX.....r 506 R81pr v.62
Science. 1896. v.26 (n. s. v.3), p.185-189.....qr 505 S41 v.26
Smithsonian Institution. Annual report. 1889. v.44, pt.1, p.491-
506.....r 506 S66 v.44, pt.1
Smithsonian Institution. Annual report. 1895. v.50, pt.1, p.781-
786.....r 506 S66 v.50, pt.1
Tyndall. New fragments. 1892. p.174-198.....504 T98
Vallery-Radot. Life of Pasteur. 2v. 1902.....92 P286v
Vallery-Radot. Louis Pasteur; his life and labours, by his son-in-
law. 1885.....92 P286
Warren. Ten Frenchmen of the 19th century. p.229-248..920 W24
- Patton, William Henry, 1831-92, American mining engineer.**
American Society of Mechanical Engineers. Transactions. 1894.
v.15, p.1194-1195.....r 621.05 A5123 v.15
- *Peacock, George, 1791-1858, English mathematician.**
Royal Society of London. Proceedings. 1858. v.9,
p.536-543.....r 506 R81pr v.9
- Peale, Titian Ramsay, 1800-85, American naturalist.**
Philosophical Society of Washington. Bulletin. 1901. v.14, p.317-
326.....r 506 W27 v.14
- Pearson, William Anson, 1855-1908, American engineer.**
American Society of Civil Engineers. Transactions. 1911. v.71,
p.431-432.....r 620.5 A51 v.71
- Peirce, Benjamin, 1809-80, American astronomer.**
American Academy of Arts and Sciences. Proceedings. 1881. v.16,
p.443-454.....qr 506 A5122p v.16
Popular science monthly. 1881. v.18, p.691-695.....r 505 P81 v.18
- Peltier, Jean Charles Athanase, 1785-1845, French meteorologist and
physicist.**
Smithsonian Institution. Annual report. 1867. v.22,
p.158-202.....r 506 S66 v.22
- Penfield, Samuel Lewis, 1856-1906, American geologist.**
Geological Society of America. Bulletin. 1908. v.18,
p.572-582.....qr 550.5 B87 v.18
National Academy of Sciences. Biographical memoirs. 1877-1909.
v.6, p.119-146.....r 925 N15 v.6
- *Pengelly, William, 1812-94, English geologist.**
Popular science monthly. 1899. v.55, p.113-121.....r 505 P81 v.55
Royal Society of London. Proceedings. 1896. v.59,
p.xxxix-xli.....r 506 R81pr v.59
- *Penn, John, 1805-78, English mechanical engineer.**
Eminent persons. 1893. v.2, p.108-111.....920 E588 v.2

- Pennypacker**, Levis Passmore, 1864–1901, *American engineer*.
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.570–571.....r 620.5 A51 v.46
- ***Penrose**, Francis Cranmer, 1817–1903, *English astronomer and architect*.
 Athenæum. 1903. v.121, p.249.....qr 072 A86 v.121
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.305–309.....r 506 R81pr v.75
- Penrose**, Richard Alexander Fullerton, 1827–1908, *American physician
 and teacher of medicine*.
 American Philosophical Society. Proceedings. 1909. v.48, p.LVIII–
 LXI.....r 506 A512 v.48
- Pepper**, William, 1843–98, *American physician and scientist*.
 Century. 1901. v.61, p.579–581.....r 051 S431 v.61
 Popular science monthly. 1899. v.55, p.836–842.....r 505 P81 v.55
 Thorpe. William Pepper. 1904.....92 P418t
- ***Percy**, John, 1817–89, *English metallurgist*.
 Royal Society of London. Proceedings. 1889. v.46,
 p.xxxv–xl.....r 506 R81pr v.46
- Peregrinus**, Petrus, fl. 1269, *French physicist*.
 Potamian. Makers of electricity. 1909. p.12–28.....925 P84
- ***Perkin**, Sir William Henry, 1838–1907, *English chemical manufacturer*.
 Fortunes made in business. 1884. v.2, p.295–324.....926 F79 v.2
 Pioneers of progress. [1910.] p.117–136.....926 P64
 Roberts. Famous chemists. 1911. p.220–231.....925.4 R53
 Royal Society of London. Proceedings. 1908. v.80A,
 p.xxxviii–lix.....r 506 R81pr v.80A
- Perkins**, Jacob, 1766–1849, *American inventor*.
 Howe. Lives of eminent mechanics. 1857. p.190–194.....926 H85
 Littell's living age. 1849. v.23, p.126–128.....r 051 L74 v.23
- Perrine**, Frederick Auten Combs, 1862–1908, *American electrical engineer*.
 American Society of Mechanical Engineers. Transactions. 1908.
 v.30, p.1222–1224.....r 621.05 A5123 v.30
- ***Perry**, John, 1670–1732, *English engineer*.
 Smiles. Lives of the engineers. 1874. v.1, p.103–117....926 S641 v.1
- Perry**, John Bulkley, 1825–72, *American geologist*.
 American Academy of Arts and Sciences. Proceedings. 1874. v.9,
 p.321–323.....qr 506 A5122p v.9
- ***Perry**, Stephen Joseph, 1833–89, *English astronomer*.
 The Month. 1890. v.68, p.305–323, 474–488.....r 282.05 M86 v.68
 Popular science monthly. 1897. v.50, p.835–840.....r 505 P81 v.50
 Royal Society of London. Proceedings. 1890. v.48,
 p.xii–xv.....r 506 R81pr v.48
- Peters**, Christian Heinrich Friedrich, 1813–90, *German astronomer*.
 American Academy of Arts and Sciences. Proceedings. 1891. v.26,
 p.373–374.....qr 506 A5122p v.26

- *Pett, Phineas, 1570–1647, *English ship-builder.***
Smiles. Men of invention and industry. 1885. p.1–48. 926 S64
- Pettee, William Henry, 1838–1904, *American geologist and mining engineer.***
American Institute of Mining Engineers. Transactions. 1905. v.35,
p.430–439. r 622.05 A51 v.35
Geological Society of America. Bulletin. 1905. v.16,
p.558–560. qr 550.5 B87 v.16
- Pettenkofer, Max von, 1818–1901, *German chemist.***
Popular science monthly. 1883. v.23, p.841–844. r 505 P81 v.23
- Pflüger, Eduard Friedrich Wilhelm, 1829–1910, *German physiologist.***
Royal Society of London. Proceedings. 1909–10. v.82B,
p.I–III. r 506 R81pr v.82B
- Philbrick, Edward Southwick, 1827–89, *American engineer.***
American Society of Civil Engineers. Transactions. 1897. v.38,
p.454–455. r 620.5 A51 v.38
- *Phillips, John, 1800–74, *English geologist.***
Nature. 1874. v.9, p.510–511. qr 505 N15 v.9
- *Phillips, John Arthur, 1822–87, *English metallurgist.***
Royal Society of London. Proceedings. 1888. v.43,
p.III–IV. r 506 R81pr v.43
- Phinney, Henry Ward Beecher, 1854–88, *American engineer.***
American Society of Civil Engineers. Transactions. 1896. v.36,
p.563–564. r 620.5 A51 v.36
- Pickering, Charles, 1805–78, *American naturalist.***
American Academy of Arts and Sciences. Proceedings. 1878. v.13,
p.441–444. qr 506 A5122p v.13
Gray. Scientific papers. 1889. v.2, p.406–410. 580.4 G81s v.2
- Pickering, Thomas Richard, 1831–95, *American mechanical engineer.***
American Society of Mechanical Engineers. Transactions. 1895.
v.16, p.1193–1195. r 621.05 A5123 v.16
- Pierce, William Thomas, 1854–1906, *American engineer.***
American Society of Civil Engineers. Transactions. 1906. v.57,
p.525–527. r 620.5 A51 v.57
- Pike, William Abbot, 1851–95, *American engineer.***
American Society of Civil Engineers. Proceedings. 1895. v.21,
p.212–213. r 620.6 A51p v.21
- *Pitman, Sir Isaac, 1813–97, *English stenographer, inventor of the Pitman system of phonography.***
Reed. Biography of Isaac Pitman. 1890. 92 P667r
- Plano, Giovanni Antonio Amedeo, 1781–1864, *Italian astronomer.***
Royal Society of London. Proceedings. 1865. v.14,
p.XVII–XIX. r 506 R81pr v.14
- Plantamour, Émile, 1815–82, *Swiss astronomer.***
American Academy of Arts and Sciences. Proceedings. 1883. v.18,
p.461–463. qr 506 A5122p v.18

- Plateau, Antoine Ferdinand Joseph, 1801–83, Belgian physicist.**
 Popular science monthly. 1890. v.36, p.693–698.....r 505 P81 v.36
- *Playfair, Lyon, baron, 1818–98, English chemist.**
 Popular science monthly. 1885. v.28, p.117–121.....r 505 P81 v.28
 Reid. *Memoirs and correspondence of Lyon Playfair, 1st Lord Playfair of St. Andrews.* 1899.....92 P692
 Royal Society of London. *Proceedings.* 1899. v.64,
 p.IX–XI.....r 506 R81pr v.64
- Plücker, Julius, 1801–68, German mathematician and physicist.**
 Royal Society of London. *Proceedings.* 1869. v.17,
 p.LXXXI–LXXXII.....r 506 R81pr v.17
- Poe, Orlando Metcalf, 1832–95, American engineer.**
 Philosophical Society of Washington. *Bulletin.* 1898. v.13, p.409–
 412.r 506 W27 v.13
- Poey y Aloy, Felipe, 1799–1891, West Indian naturalist.**
 Popular science monthly. 1884. v.25, p.547–552.....r 505 P81 v.25
- Poggendorf, Johann Christian, 1796–1877, German physicist.**
 American Academy of Arts and Sciences. *Proceedings.* 1877. v.12,
 p.330–331.qr 506 A512ap v.12
- Poincaré, Jules Henri, 1854–1912, French physicist.**
 American Philosophical Society. *Proceedings.* 1912. v.51,
 p.III–IX.....r 506 A512 v.51
 Independent. 1911. v.71, p.729–741.....qr 071 I24 v.71
 Lebon. *Henri Poincaré; biographie, bibliographie analytique des écrits.* 1909.....q 92 P749l
 Nature. 1912. v.89, p.535–536.....qr 505 N15 v.89
 Nature. 1912. v.90, p.353–356.....qr 505 N15 v.90
 Popular science monthly. 1909. v.75, p.267–273.....r 505 P81 v.75
- Poinsot, Louis, 1777–1859, French geometrician.**
 Royal Society of London. *Proceedings.* 1862. v.11,
 p.XXXVI–XXXVII.....r 506 R81pr v.11
- *Pole, William, 1814–1900, English engineer.**
 Royal Society of London. *Proceedings.* 1904–05. v.75,
 p.117–120.....r 506 R81pr v.75
- Poncelet, Jean Victor, 1788–1867, French engineer.**
 Royal Society of London. *Proceedings.* 1870. v.18,
 p.I–II.....r 506 R81pr v.18
- Pope, Franklin Leonard, 1840–95, American electrical engineer.**
 American Institute of Electrical Engineers. *Transactions.* 1895.
 v.12, p.670–683.....r 621.305 A512 v.12
- Pope, Macy Stanton, 1869–1904, American engineer.**
 American Society of Civil Engineers. *Transactions.* 1905. v.54,
 pt.7, p.540–541.....r 620.5 A51 v.54, pt.7
- Pope, Willard Smith, 1832–95, American engineer.**
 American Society of Civil Engineers. *Proceedings.* 1896. v.22,
 p.61–64.....r 620.6 A51p v.22

Pope, Willard Smith—continued.

- American Society of Civil Engineers. Transactions. 1896. v.36, p.565-568.....r 620.5 A51 v.36
- ***Porrett, Robert, 1783-1868, English chemist.**
Royal Society of London. Proceedings. 1870. v.18, p.IV-V.....r 506 R81pr v.18
- Porter, Charles Talbot, 1826-1910, American engineer.**
American Society of Mechanical Engineers. Transactions. 1910. v.32, p.1493-1496.....r 621.05 A5123 v.32
- ***Portlock, Joseph Ellison, 1794-1864, English military engineer.**
Royal Society of London. Proceedings. 1865. v.14, p.XIII-XVII.....r 506 R81pr v.14
- Pošepný, Franz, 1836-95, Bohemian mining engineer.**
American Institute of Mining Engineers. Transactions. 1895. v.25, p.434-446.....r 622.05 A51 v.25
- Post, James Clarence, 1844-96, American engineer.**
American Society of Civil Engineers. Proceedings. 1896. v.22, p.85-86.....r 620.6 A51p v.22
American Society of Civil Engineers. Transactions. 1896. v.36, p.569.....r 620.5 A51 v.36
- Post, Simeon S. 1805-72, American engineer.**
American Society of Civil Engineers. Proceedings. 1893. v.19, p.49-50.....r 620.6 A51p v.19
- Potier, Alfred, 1840-1903, French physicist and engineer.**
Poincaré. Savants et écrivains. [1910.] p.191-200.....925 P74
- Potts, Joseph D. 1829-93, American engineer.**
American Society of Civil Engineers. Proceedings. 1894. v.20, p.49-51.....r 620.6 A51p v.20
- Pourtalès, Louis François de, 1824-80, Swiss-American marine zoölogist.**
American Academy of Arts and Sciences. Proceedings. 1881. v.16, p.435-443.....qr 506 A5122p v.16
National Academy of Sciences. Biographical memoirs. 1877-1909. v.5, p.79-89.....r 925 N15 v.5
Nature. 1880. v.22, p.322-323.....qr 505 N15 v.22
Popular science monthly. 1881. v.18, p.549-552.....r 505 P81 v.18
- Powell, Charles Francis, 1843-1907, American engineer.**
American Society of Civil Engineers. Transactions. 1908. v.61, p.567-570.....r 620.5 A51 v.61
- Powell, John Wesley, 1834-1902, American geologist.**
Philosophical Society of Washington. Bulletin. 1904. v.14, p.300-308.....r 506 W27 v.14
Popular science monthly. 1882. v.20, p.390-397.....r 505 P81 v.20
Smithsonian Institution. Annual report. 1902. v.57, pt.1, p.633-640.....r 506 S66 v.57, pt.1
- Pradel, Olivier de Serres, seigneur du. See Serres, Olivier de, seigneur du Pradel.**

- Pratt, Thomas Willis, 1812-75, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1875. v.1,
 p.332-335.....r 620.6 A51p v.1
- Prendergast, Francis Ensor, 1841-97, *Irish engineer.***
 American Society of Civil Engineers. Transactions. 1898. v.39,
 p.701-702.....r 620.5 A51 v.39
- Prescott, George Bartlett, 1858-93, *American electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1893.
 v.10, p.666-667.....r 621.305 A512 v.10
- *Prestwich, Sir Joseph, 1812-96, *English geologist.***
 Popular science monthly. 1897. v.52, p.254-262.....r 505 P81 v.52
 Prestwich, Mrs G. A. (Milne) M'Call. Life and letters of Sir
 Joseph Prestwich. 1899.....92 P932p
 Royal Society of London. Proceedings. 1897. v.60,
 p.xii-xvi.....r 506 R81pr v.60
 Smithsonian Institution. Annual report. 1896. v.51, pt.1, p.657-
 666.....r 506 S66 v.51, pt.1
- *Price, Bartholomew, 1818-98, *English mathematician.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.30-34.....r 506 R81pr v.75
- Price, Philip M. 1848-94, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.200-202.....r 620.6 A51p v.20
- *Priestley, Joseph, 1733-1804, *English chemist.***
 Brougham. Lives of men of letters and science. 1845-46. v.1,
 p.402-428.....qr 928 B77 v.1
 Hitchman. Eighteenth century studies. 1881. p.304-333..920 H62
 Muir. Heroes of science. 1883. p.52-79.....925.4 M95
 Nature. 1874. v.10, p.239-241.....qr 505 N15 v.10
 Parkes. In a walled garden. 1895. p.25-63.....824 P24
 Popular science monthly. 1874. v.5, p.480-492.....r 505 P81 v.5
 Priestley. Memoirs. 1904.....92 P947m
 Priestley. Scientific correspondence; ninety-seven letters addressed
 to Josiah Wedgewood...and other; ed. by H. C. Bolton. 1892..92 P947
 Roberts. Famous chemists. 1911. p.21-31.....925.4 R53
 Rutt. Life and correspondence of Joseph Priestley. 2v.
 1831-32.r 92 P947r
 Smithsonian Institution. Annual report. 1858. v.13,
 p.138-152.....r 506 S66 v.13
 Stirling. Some apostles of physiology. 1902. p.67-70..qr 926.1 S86
 Thorpe. Essays in historical chemistry. 1894. p.28-52..925.4 T41
 Thorpe. Joseph Priestley. 1906.....92 P947t
- Pringsheim, Nathanael, 1823-94, *German botanist.***
 Nature. 1895. v.51, p.399-402.....qr 505 N15 v.51
- *Pritchard, Charles, 1808-93, *English astronomer.***
 Royal Society of London. Proceedings. 1893. v.54,
 p.iii-xii.....r 506 R81pr v.54

- Pritchett, Carr Waller, 1823-1910, American astronomer.**
 Popular astronomy. 1910. v.18, p.348-350.....qr 520.5 P81 v.18
- Ptolemy, fl. 2d cent. A. D., Alexandrian mathematician, astronomer and geographer.**
 Ball. Great astronomers. 1895. p.7-29.....925.2 B21
- Putnam, Frederick Ward, b. 1839, American zoölogist and anthropologist.**
 Popular science monthly. 1886. v.29, p.693-697.....r 505 P81 v.29
- *Quain, Sir Richard, 1816-98, Irish physician.**
 Popular science monthly. 1898. v.53, p.835-839.....r 505 P81 v.53
 Royal Society of London. Proceedings. 1898. v.63,
 p.vi-ix.....r 506 R81pr v.63
- Quatrefages de Bréau, Jean Louis Armand de, 1810-92, French naturalist.**
 Popular science monthly. 1885. v.26, p.697-700.....r 505 P81 v.26
- *Quekett, John T. 1815-61, English microscopist.**
 Royal Society of London. Proceedings. 1863. v.12,
 p.xxv-xxvii.....r 506 R81pr v.12
- Quetelet, Lambert Adolphe Jacques, 1796-1874, Belgian mathematician and astronomer.**
 Nature. 1874. v.9, p.403-404.....qr 505 N15 v.9
 Royal Society of London. Proceedings. 1875. v.23,
 p.xi-xviii.....r 506 R81pr v.23
 Smithsonian Institution. Annual report. 1874. v.29,
 p.169-183.....r 506 S66 v.29
- Rafinesque, Constantine Samuel, 1784-1842, American naturalist of French-German descent.**
 Call. Life and writings of Rafinesque. 1895.....qr 92 R145c
 Jordan. Science sketches. 1896. p.153-169.....570.4 J42
 Youmans. Pioneers of science in America. 1896. p.182-195...925 Y35
- Rafter, George W. 1851-1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1909. v.62,
 p.554-559.....r 620.5 A51 v.62
- *Ramsay, Sir Andrew Crombie, 1814-91, Scottish geologist.**
 Nature. 1891. v.45, p.151-152.....qr 505 N15 v.45
 Popular science monthly. 1898. v.53, p.259-266.....r 505 P81 v.53
- *Ramsden, Jesse, 1735-1800, English optician and maker of astronomical instruments.**
 Howe. Lives of eminent mechanics. 1857. p.313-318.....926 H85
- Rand, Theodore Dehon, 1837-1903, American geologist and mineralogist.**
 American Institute of Mining Engineers. Transactions. 1904. v.34,
 p.695-701.....r 622.05 A51 v.34
- Randolph, James Lingan, 1817-88, American engineer.**
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.217-219.....r 620.6 A51p v.18
- Randolph, Nathaniel Archer, 1858-87, American physician.**
 American Philosophical Society. Proceedings. 1889. v.26, p.359-365.r 506 A512 v.26

- *Rankine, William John Macquorn, 1820-72, Scottish engineer.**
 American Academy of Arts and Sciences. Proceedings. 1873. v.9,
 p.276-278.....qr 506 A5122p v.9
 Nature. 1873. v.7, p.204-205.....qr 505 N15 v.7
 Popular science monthly. 1877. v.12, p.236-237.....r 505 P81 v.12
 Royal Society of London. Proceedings. 1873. v.21,
 p.I-IV.....r 506 R81pr v.21
- Rathke, Heinrich, 1793-1860, German zoölogist and anatomist.**
 Royal Society of London. Proceedings. 1862. v.II,
 p.XXXVII-XL.....r 506 R81pr v.II
- Ray, Isaac, 1807-81, American physician.**
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.457-458.....qr 506 A5122p v.18
- *Ray, John, 1627-1705, English naturalist.**
 Miall. Early naturalists. 1912. p.99-130.....925.7 M66
 Oliver. Makers of British botany. 1913. p.8-43.....925.8 O23
- Rayleigh, John William Strutt, baron, b. 1842, English physicist.**
 Nature. 1904. v.70, p.361-363.....qr 505 N15 v.70
 Popular science monthly. 1884. v.25, p.840-842.....r 505 P81 v.25
- Raymond, Thomas Laidlaw, 1853-1901, American engineer.**
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.354.....r 620.5 A51 v.49
- Reading, Robert B. 1869-1902, American mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1902.
 v.23, p.865-867.....r 621.05 A5123 v.23
- Réaumur, René Antoine de, 1683-1757, French naturalist and physicist.**
 Miall. Early naturalists. 1912. p.244-278.....925.7 M66
- Reckenzaun, Anthony, 1850-93, Austrian electrical engineer.**
 American Institute of Electrical Engineers. Transactions. 1893.
 v.10, p.667-668.....r 621.305 A512 v.10
- Redfield, William C. 1789-1857, American meteorologist.**
 American journal of science. 1857. v.74, p.355-373... r 505 A51 v.74
 Popular science monthly. 1896. v.50, p.114-119.....r 505 P81 v.50
- Redi, Francesco, 1626-98, Italian naturalist.**
 Miall. Early naturalists. 1912. p.225-228.....925.7 M66
- *Reed, Sir Edward James, 1830-1906, English naval architect.**
 Nature. 1906. v.75, p.153-155.....qr 505 N15 v.75
- Reed, Edward M. 1821-92, American engineer.**
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.94-96.....r 620.6 A51p v.18
 American Society of Mechanical Engineers. Transactions. 1892.
 v.13, p.676-677.....r 621.05 A5123 v.13
- Reed, Walter, 1851-1902, American army surgeon and bacteriologist.**
 Kelly. Walter Reed and yellow fever. 1906.....92 R284k
 Nation. 1904. v.79, p.94-95.....qr 071 N15 v.79
 Popular science monthly. 1904. v.65, p.262-268.....r 505 P81 v.65

Reed, Walter—*continued*.

Smithsonian Institution. Annual report. 1905. v.60,
pt.1, p.549-556.....r 506 S66 v.60, pt.1

Reed, William Ward, 1824-1904, American engineer.

American Society of Civil Engineers. Transactions. 1904. v.52,
p.558-559.....r 620.5 A51 v.52

***Rees, George Owen, 1813-89, English physician.**

Royal Society of London. Proceedings. 1889. v.46,
p.xi-xiii.....r 506 R81pr v.46

Rees, William Marshall, 1851-1905, American engineer.

American Society of Civil Engineers. Transactions. 1906. v.56,
p.473-474.....r 620.5 A51 v.56

✓ **Reeves, Samuel J. 1818-78, American engineer.**

American Society of Civil Engineers. Proceedings. 1879. v.5,
p.93-96.....r 620.6 A51p v.5

Regnault, Henri Victor, 1810-78, French physicist.

American Academy of Arts and Sciences. Proceedings. 1878. v.13,
p.455-458.....qr 506 A5122p v.13

Nature. 1878. v.17, p.263-265.....qr 505 N15 v.17

Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
technik und industrie. 1910. v.2, p.58-63.....qr 609 V27 v.2

**Reichenbach, Georg von, 1772-1826, German maker of astronomical in-
struments.**

Dyck. Georg von Reichenbach. 1912.....qr 92 Ra97d

***Reid, John, 1809-49, Scottish physiologist.**

Nature. 1909. v.81, p.163-165.....qr 505 N15 v.81

***Reid, Sir William, 1791-1858, English military engineer.**

Royal Society of London. Proceedings. 1858. v.9,
p.543-546.....r 506 R81pr v.9

Reinholdt, Kenneth Oake Plummer, 1866-1902, American engineer.

American Society of Civil Engineers. Transactions. 1902. v.49,
p.368-369.....r 620.5 A51 v.49

Reis, Johann Philipp, 1834-74, German physicist.

Munro. Heroes of the telegraph. 1891. p.175-182.....925 M96

Reiseger, Marc John, 1861-1900, Dutch engineer.

American Society of Civil Engineers. Transactions. 1901. v.45,
p.634.....r 620.5 A51 v.45

***Rendel, James Meadows, 1799-1856, English hydraulic engineer.**

Royal Society of London. Proceedings. 1856. v.8,
p.279-283.....r 506 R81pr v.8

***Rennell, James, 1742-1830, English geographer.**

Markham. Major James Rennell and the rise of modern English
geography. 1895.....92 R343m

***Rennie, George, 1791-1866, English civil engineer.**

Royal Society of London. Proceedings. 1868. v.16,
p.xxxiii-xxxv.....r 506 R81pr v.16

- *Rennie, John, 1761-1821, English engineer.**
Smiles. Lives of the engineers. 1874. v.2, p.183-382.... 926 S64l v.2
- *Rennie, Sir John, 1794-1874, English civil engineer.**
Rennie. Autobiography. 1875..... 92 R344
Royal Society of London. Proceedings. 1875. v.23,
p.x..... r 506 R81pr v.23
- Reuleaux, Franz, 1829-1905, German mechanical engineer.**
American Society of Mechanical Engineers. Transactions. 1905.
v.26, p.813-817..... r 621.05 A5123 v.26
- Reynolds, Edward, 1793-1881, American physician.**
American Academy of Arts and Sciences. Proceedings. 1882. v.17,
p.414-416..... qr 506 A5122p v.17
- Reynolds, Edwin, 1831-1909, American mechanical engineer.**
American Society of Mechanical Engineers. Transactions. 1909.
v.31, p.1052-1053..... r 621.05 A5123 v.31
- *Reynolds, Richard, 1735-1816, English iron manufacturer.**
Smiles. Industrial biography. 1889. p.84-98..... 926 S64i
- Rhodes, Benjamin, 1849-94, American engineer.**
American Society of Civil Engineers. Proceedings. 1894. v.20,
p.163-164..... r 620.6 A51p v.20
- Rice, Edward Curtis, 1829-98, American engineer.**
American Society of Civil Engineers. Transactions. 1898. v.39,
p.703..... r 620.5 A51 v.39
- Rich, Watson Wellman, 1841-1903, American engineer.**
American Society of Civil Engineers. Transactions. 1903. v.50,
p.501-503..... r 620.5 A51 v.50
- Richards, Sir George Henry, 1820-96, English hydrographer.**
Royal Society of London. Proceedings. 1897. v.60,
p.xxxxii-xxxv..... r 506 R81pr v.60
- *Richardson, Sir Benjamin Ward, 1828-96, English physician.**
Richardson. Vita medica; chapters of medical life and
work. 1897..... 92 R412
Royal Society of London. Proceedings. 1904-05. v.75,
p.51-52. r 506 R81pr v.75
- Richardson, Henry Brown, 1837-1909, American engineer.**
American Society of Civil Engineers. Transactions. 1910. v.66,
p.501-503..... r 620.5 A51 v.66
- *Richardson, Sir John, 1787-1865, Scottish surgeon and naturalist.**
Royal Society of London. Proceedings. 1867. v.15,
p.xxxvii-xlxiii..... r 506 R81pr v.15
- Richmond, George, d. 1904, English mechanical engineer.**
American Society of Mechanical Engineers. Transactions. 1904.
v.25, p.1143-1145..... r 621.05 A5123 v.25
- Richter, Theodor, 1825-98, German metallurgist.**
American Institute of Mining Engineers. Transactions. 1898. v.28,
p.765-769..... r 622.05 A51 v.28

- Richtofen, Ferdinand**, *baron von*, 1833–1905, *German geologist*.
 Royal Society of London. Proceedings. 1907. v.79A,
 p. XXXV–XL.....r 506 R81pr v.79A
- *Riddell, Charles James Buchanan**, 1817–1903, *English magnetician*.
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.302–304.....r 506 R81pr v.75
- Riemann, Georg Friedrich Bernhard**, 1826–66, *German mathematician
 and physicist*.
 Royal Society of London. Proceedings. 1868. v.16,
 p.LXIX–LXX.....r 506 R81pr v.16
- Riffle, Albert Stanley**, 1860–1909, *American engineer*.
 American Society of Civil Engineers. Transactions. 1910. v.66,
 p.504–506.....r 620.5 A51 v.66
- Riggeenbach, Nikolaus**, 1817–99, *German engineer, builder of mountain
 railways*.
 Hennig. Buch berühmter ingenieure. 1911. p.228–250...926.2 H44
- Riley, Charles Valentine**, 1843–95, *English entomologist*.
 Philosophical Society of Washington. Bulletin. 1896. v.13, p.412–
 416.r 506 W27 v.13
- Rinecker, Francis**, 1843–99, *German-American engineer*.
 American Society of Civil Engineers. Transactions. 1899. v.42,
 p.569–570.....r 620.5 A51 v.42
- *Ringer, Sidney**, 1835–1910, *English physician*.
 Royal Society of London. Proceedings. 1911. v.84B,
 p.I–III.....r 506 R81pr v.84B
- Rittenhouse, David**, 1732–96, *American astronomer*.
 Popular astronomy. 1896. v.4, p.1–12.....qr 520.5 P81 v.4
 Popular science monthly. 1890. v.36, p.835–842.....r 505 P81 v.36
- Renwick. Life of Rittenhouse. (In Sparks. Library of American
 biography, v.7, p.295–398.).....r 920 S73 v.7
The same. (In Sparks. Library of American biography, v.7, p.295–
 398.).....920 S73 v.7
- Rush. Eulogium to perpetuate the memory of David Rittenhouse.
 1796.r 92 R515r
- Youmans. Pioneers of science in America. 1896. p.47–57...925 Y35
- Rive, Auguste Arthur de la**. See **La Rive, Auguste Arthur de**.
- Roach, John**, 1813–87, *Irish-American ship-builder*.
 Thayer. Men who win. 1897. p.164–182.....920 T34m
- Roberts, Evelyn Pierrepont**, 1848–1910, *American engineer*.
 American Society of Civil Engineers. Transactions. 1911. v.72,
 p.593.r 620.5 A51 v.72
- *Roberts, Isaac**, 1829–1904, *Welsh astronomer*.
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.356–363.....r 506 R81pr v.75
- Roberts, Nathan S.** 1776–1852, *American civil engineer*.
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.109–118.....r 926 S9a

- *Roberts, Richard, 1789–1864, Welsh mechanical engineer.**
Smiles. Industrial biography. 1889. p.264–274.....926 S64i
- *Roberts, Sir William, 1830–99, English physician.**
Royal Society of London. Proceedings. 1904–05. v.75,
p.68–71.....r 506 R81pr v.75
- Roberts, William, 1835–1907, American engineer.**
American Society of Civil Engineers. Transactions. 1908. v.60,
p.593–594.....r 620.5 A51 v.60
- Roberts, William Milnor, 1810–81, American engineer.**
American Philosophical Society. 1882. v.20, p.199–
202.....r 506 A512 v.20
American Society of Civil Engineers. Transactions. 1896. v.36,
p.531–537.....r 620.5 A51 v.36
- *Roberts-Austen, Sir William Chandler, 1843–1902, English metallurgist.**
Nature. 1902. v.67, p.105–107.....qr 505 N15 v.67
Royal Society of London. Proceedings. 1904–05. v.75,
p.192–198.....r 506 R81pr v.75
- Robinson, Moncure, 1802–91, American engineer.**
American Society of Civil Engineers. Proceedings. 1892. v.18,
p.84–90.....r 620.6 A51p v.18
- Robinson, Stillman Williams, 1838–1910, American engineer.**
American Society of Civil Engineers. Transactions. 1911. v.71,
p.433–434.....r 620.5 A51 v.71
American Society of Mechanical Engineers. Transactions. 1910.
v.32, p.1497–1498.....r 621.05 A5123 v.32
- Rodgers, John, 1812–82, American naval officer.**
National Academy of Sciences. Biographical memoirs. 1877–1909.
v.6, p.81–92.....r 925 N15 v.6
- Roebing, John A. 1806–69, German-American civil engineer.**
Stuart. Lives and works of civil and military engineers of America.
1871. p.301–326.....r 926 S92
- *Roebuck, John, 1718–94, Scottish chemist and metallurgist.**
Smiles. Industrial biography. 1889. p.133–141.....926 S64i
- Roeper, Johannes August Christian, 1800–84, German botanist.**
Gray. Scientific papers. 1889. v.2, p.482.....580.4 G811
- Rogers, Fairman, 1833–1900, American engineer.**
[Furness.]. F. R., 1833–1900. 1903.....r 92 R615f
National Academy of Sciences. Biographical memoirs. 1877–1909.
v.6, p.93–107.....r 925 N15 v.6
- Rogers, Henry Darwin, 1808–66, American geologist.**
Popular science monthly. 1896. v.50, p.258–264.....r 505 P81 v.50
Royal Society of London. Proceedings. 1868. v.16,
p.xxxv–xxxvi.....r 506 R81pr v.16
- Rogers, James Blythe, 1802–52, American physician and chemist.**
Popular science monthly. 1896. v.49, p.261–265.....r 505 P81 v.49
Youmans. Pioneers of science in America. 1896. p.368–373..925 Y35

- Rogers, Robert Empie, 1813-84, *American chemist.***
 American Philosophical Society. Proceedings. 1885. v.23, p.123-136.....r 506 A512 v.23
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.5, p.291-309.....r 925 N15 v.5
 Popular science monthly. 1896. v.49, p.837-841.....r 505 P81 v.49
- Rogers, William Augustus, 1832-98, *American astronomer.***
 American Society of Mechanical Engineers. Transactions. 1898. v.19, p.968-972.....r 621.05 A5123 v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.4, p.185-199.....r 925 N15 v.4
- Rogers, William Barton, 1804-82, *American scientist, first president of the Massachusetts Institute of Technology.***
 American Academy of Arts and Sciences. Proceedings. 1883. v.18, p.428-438.....qr 506 A5122p v.18
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.3, p.1-13.....r 925 N15 v.3
 Popular science monthly. 1876. v.9, p.606-611.....r 505 P81 v.9
 Rogers. Life and letters; ed. by his wife. 2v. 1896.....92 R6172
 Youmans. Pioneers of science in America. 1896. p.410-418..925 Y35
- *Roget, Peter Mark, 1779-1869, *English physician.***
 Royal Society of London. Proceedings. 1870. v.18, p.xxviii-xl.....r 506 R81pr v.18
- *Rolleston, George, 1829-81, *English physician.***
 Nature. 1881. v.24, p.192-193.....qr 505 N15 v.24
 Royal Society of London. Proceedings. 1882. v.33, p.xxiv-xxvii.....r 506 R81pr v.33
- *Romanes, George John, 1848-94, *English biologist.***
 Romanes, Mrs E. (Duncan). Life and letters of George John Romanes. 1896.....92 R659r
 Royal Society of London. Proceedings. 1895. v.57, p.vii-xiv.....r 506 R81pr v.57
- Rondelet, Guillaume, 1507-66, *French naturalist.***
 Miall. Early naturalists. 1912. p.45-47.....925.7 M66
- Röntgen, Wilhelm Conrad, b. 1846, *German physicist and electrician, discoverer of the X-rays.***
 Pioneers of progress. [1910.] p.164-192.....926 P64
- Rood, Ogden Nicholas, 1831-1902, *American physicist.***
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.6, p.447-472.....r 925 N15 v.6
- Roscoe, Sir Henry Enfield, b. 1833, *English chemist.***
 Popular science monthly. 1885. v.26, p.402-406.....r 505 P81 v.26
 Roscoe. Life & experiences, written by himself. 1906.....92 R712
- Rose, Gustav, 1798-1873, *German mineralogist.***
 Nature. 1873. v.8, p.277-279.....qr 505 N15 v.8
 Royal Society of London. Proceedings. 1876. v.24, p.iii-v.....r 506 R81pr v.24

- Rose, Heinrich, 1795–1864, German chemist.**
 Royal Society of London. Proceedings. 1865. v.14,
 p.xix–xx.....r 506 R81pr v.14
- Rosenhof, August Johann Roesel von, 1705–59, German entomologist.**
 Miall. Early naturalists. 1912. p.293–303.....925.7 M66
- *Rosse, Laurence Parsons, earl of, 1840–1908, English astronomer.**
 Royal Society of London. Proceedings. 1909–10. v.83A,
 p.xv–xix.....r 506 R81pr v.83A
- *Rosse, William Parsons, earl of, 1800–67, English astronomer.**
 Ball. Great astronomers. 1895. p.272–288.....925.2 B21
 Royal Society of London. Proceedings. 1868. v.16,
 p.xxxvi–xlili.....r 506 R81pr v.16
- Rotch, Abbott Lawrence, 1861–1912, American meteorologist.**
 Nature. 1912. v.89, p.195.....qr 505 N15 v.89
- Rothwell, Richard Pennefather, 1836–1901, Canadian mining engineer.**
 American Institute of Mining Engineers. Transactions. 1901. v.31,
 p.513–527.....r 622.05 A51 v.31
- *Routh, Edward John, 1831–1907, English mathematician.**
 Nature. 1907. v.76, p.200–202.....qr 505 N15 v.76
 Royal Society of London. Proceedings. 1910–11. v.84A,
 p.xii–xvi.....r 506 R81pr v.84A
- Rowe, Samuel McMath, 1831–1910, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.72,
 p.594–595.....r 620.5 A51 v.72
- Rowland, Henry Augustus, 1848–1901, American physicist.**
 Jordan. Leading American men of science. 1910. p.405–
 426.925 J44
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.5, p.115–140.....r 925 N15 v.5
 Popular science monthly. 1896. v.49, p.110–120.....r 505 P81 v.49
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.253–257.....r 506 R81pr v.75
 Smithsonian Institution. Annual report. 1901. v.56, pt.1, p.739–
 753.....r 506 S66 v.56, pt.1
- Rowland, Thomas Fitch, 1831–1907, American engineer.**
 American Society of Civil Engineers. Transactions. 1909. v.62,
 p.547–549.....r 620.5 A51 v.62
 American Society of Mechanical Engineers. Transactions. 1907.
 v.29, p.1181–1184.....r 621.05 A5143 v.29
- Roy, Charles Smart, 1854–97, English physiologist and pathologist.**
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.131–136.....r 506 R81pr v.75
- Royer, Clémence Auguste, 1830–1902, French anthropologist.**
 Popular science monthly. 1899. v.54, p.690–698.....r 505 P81 v.54

- *Royle, John Forbes, 1799–58, *English botanist.***
 Royal Society of London. Proceedings. 1858. v.9,
 p.547–549.....r 506 R81pr v.9
- Rudloff, Henry Frederick, 1846–95, *German engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.570.....r 620.5 A51 v.36
- Ruggles, Stephen Preston, 1808–80, *American printer, perfecter of method
 of printing for the blind.***
 American Academy of Arts and Sciences. Proceedings. 1881. v.16,
 p.433–435.....qr 506 A5122p v.16
- *Rumford, Benjamin Thompson, count, 1753–1814, *American physicist.***
 American journal of education. 1877. v.27, p.561–592..r 370.5 A51 v.27
 Ellis. Memoir of Sir Benjamin Thompson, count Rumford.
 [1871.].r 92 R868e
 Jordan. Leading American men of science. 1910. p.9–50...925 J42
 Popular science monthly. 1876. v.9, p.231–238.....r 505 P81 v.7
 Popular science monthly. 1908. v.73, p.32–51.....r 505 P81 v.73
 Renwick. Life of Count Rumford. (In Sparks. Library of American
 biography, v.15, p.1–216.).....r 920 S73 v.15
The same. (In Sparks. Library of American biography, v.15, p.1–
 216.).....920 S73 v.15
 Tyndall. New fragments. 1892. p.94–173.....504 T98
- Rümker, Carl Ludwig Christian, 1788–1862, *German astronomer.***
 Royal Society of London. Proceedings. 1864. v.13,
 p.xvi–xix.....r 506 R81pr v.13
- Runkle, John Daniel, 1822–1902, *American mathematician.***
 American Academy of Arts and Sciences. Proceedings. 1903. v.38,
 p.727–730.....qr 506 A5122p v.38
- Rush, Benjamin, 1745–1813, *American physician.***
 Delaplaine. Repository of the lives and portraits of distinguished
 American characters. 1815. v.1, p.27–44.....qr 920 D38 v.1-
 McCabe. Great fortunes and how they were made. 1872. p.612–
 621.920 M124
- *Russell, Henry Chamberlaine, 1836–1907, *English astronomer.***
 Royal Society of London. Proceedings. 1908. v.80A,
 p.lx–lxiii.....r 506 R81pr v.80A
- Russell, Israel Cook, 1852–1906, *American geologist.***
 Geological Society of America. Bulletin. 1908. v.18,
 p.582–592.....qr 550.5 B87 v.18
- *Russell, John Scott, 1808–82, *English naval architect.***
 Royal Society of London. Proceedings. 1883. v.34,
 p.xv–xvi.....r 506 R81pr v.34
- Russell, Nathaniel Edwards, 1848–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.355–356.....r 620.5 A51 v.49

- *Russell, William James, 1830–1909, *English chemist.***
 Royal Society of London. Proceedings. 1910–11. v.84A,
 p.xxx–xxxI.....r 506 R81pr v.84A
- *Rutherford, William, 1839–99, *Scottish physiologist.***
 Nature. 1899. v.59, p.590–591.....qr 505 N15 v.59
- Rutherford, Lewis Morris, 1816–92, *American astronomer.***
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.3, p.415–441.....r 925 N15 v.3
 Popular science monthly. 1893. v.42, p.404–409.....r 505 P81 v.42
- Ryder, John Adam, 1852–95, *American biologist.***
 Smithsonian Institution. Annual report. 1896. v.51, pt.1, p.673–
 687.....r 506 S66 v.51, pt.1
- *Sabine, Sir Edward, 1788–1883, *Irish magnetician.***
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.560–564.....qr 506 A5122p v.19
 Nature. 1883. v.28, p.218–220.....qr 505 N15 v.28
 Royal Society of London. Proceedings. 1892. v.51,
 p.XLIII–LI.....r 506 R81pr v.51
- Sachs, Julius von, 1832–97, *German botanist.***
 Nature. 1897. v.56, p.201–202.....qr 505 N15 v.56
 Royal Society of London. Proceedings. 1898. v.62,
 p.xxiv–xxix.....r 506 R81pr v.62
 Science progress. 1898. v.7, p.150–173.....qr 505 S4163 v.7
- Safford, James Merrill, 1822–1907, *American geologist.***
 Geological Society of America. Bulletin. 1909. v.19,
 p.522–527.....qr 550.5 B87 v.19
- Safford, Truman Henry, 1836–1901, *American astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1902. v.37,
 p.654–656.....qr 506 A5122p v.37
- Saint-Hilaire, Geoffroy. *See Geoffroy Saint-Hilaire.***
- St. John, Isaac Munroe, 1827–80, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.571.....r 620.5 A51 v.36
- Saint-Venant, Adhémar Jean Claude Barré de. *See Barré de***
Saint-Venant, Adhémar Jean Claude.
- Sainte-Claire Deville, Charles Joseph, 1814–76, *French geologist and***
meteorologist.
 Nature. 1876. v.14, p.575–576.....qr 505 N15 v.14
- Sainte-Claire Deville, Henri Étienne, 1818–81, *French chemist.***
 Nature. 1881. v.24, p.219–221.....qr 505 N15 v.24
 Popular science monthly. 1882. v.20, p.543–547.....r 505 P81 v.20
- *Salisbury, Robert Arthur Talbot Gascoyne Cecil, *marquis of, 1830–1903,***
English statesman and electrician.
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.319–325.....r 506 R81pr v.75

- *Salmon, George, 1819–1904, *Irish mathematician.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.347–355.....r 506 R81pr v.75
- Salter, Samuel James Augustus, 1825–97, *English dental surgeon.***
 Royal Society of London. Proceedings. 1897. v.61,
 p.III–IV.....r 506 R81pr v.61
- *Salvin, Osbert, 1835–98, *English zoölogist.***
 Royal Society of London. Proceedings. 1899. v.64,
 p.XIII–XVII.....r 506 R81pr v.64
- Sample, John Henderson, 1849–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.70,
 p.474–475.....r 620.5 A51 v.70
- *Sanderson, Sir John Scott Burdon, 1828–1905, *English physician.***
 Nature. 1905. v.73, p.127–129.....qr 505 N15 v.73
 Royal Society of London. Proceedings. 1907. v.79A,
 p.III–XVIII.....r 506 R81pr v.79A
- Saporta, Gaston, marquis de, 1823–95, *French botanist.***
 American Academy of Arts and Sciences. Proceedings. 1895. v.30,
 p.598–600.....qr 506 A5122p v.30
- Sars, Michael, 1805–69, *Norwegian zoölogist.***
 Nature. 1870. v.1, p.265.....qr 505 N15 v.1
- Sartwell, Henry P. 1792–1867, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.343–344.....580.4 G81s v.2
- Saussure, Horace Benedict de, 1740–99, *Swiss geologist.***
 Geikie. Founders of geology. 1905. p.182–191.....550.9 G28
- Saxton, Joseph, 1799–1873, *American inventor.***
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.1, p.287–316.....r 925 N15 v.1
- Say, Thomas, 1787–1834, *American zoölogist.***
 Popular science monthly. 1882. v.21, p.687–691.....r 505 P81 v.21
 Youmans. Pioneers of science in America. 1896. p.215–222..925 Y35
- Schaudinn, Fritz, 1871–1906, *German biologist.***
 Popular science monthly. 1907. v.70, p.274–278.....r 505 P81 v.70
 Science. 1906. v.47 (n. s. v.24), p.154–155.....qr 505 S41 v.47
- Schaufuss, Erich C. 1856–89, *German-American mining engineer.***
 American Institute of Mining Engineers. Transactions. 1889. v.17,
 p.419–420.....r 622.05 A51 v.17
- Scheele, Karl Wilhelm, 1742–86, *Swedish chemist.***
 Nature. 1892. v.47, p.152–153.....qr 505 N15 v.47
 Popular science monthly. 1887. v.31, p.839–844.....r 505 P81 v.31
- Roberts. Famous chemists. 1911. p.32–40.....925.4 R53**
- Scheele. Chemical essays. 1901. p.13–28.....540.4 S31**
- Thorpe. Essays in historical chemistry. 1894. p.53–69..925.4 T41**
- Scherzer, Albert John, 1848–1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.515–517.....r 620.5 A51 v.74

- Scherzer, William, 1858-93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.58-59.....r 620.5 A51p v.20
- Schiaparelli, Giovanni Virginio, 1835-1910, *Italian astronomer.***
 Popular astronomy. 1910. v.18, p.457-474.....qr 520.5 P81 v.18
- Schimper, A. F. W. 1855-1901, *German botanist.***
 Nature. 1901. v.64, p.551-552.....qr 505 N15 v.64
- Schleiden, Matthias Jacob, 1804-81, *German biologist.***
 Popular science monthly. 1882. v.22, p.256-262.....r 505 P81 v.22
- Schmidt, Eduard Oscar, 1823-86, *German zoölogist.***
 Popular science monthly. 1899. v.55, p.693-700.....r 505 P81 v.55
- Schmidt, Johann Friedrich, 1825-84, *German astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.564-567.....qr 506 A5122p v.19
- Schneider, Eugène, 1840-98, *French mechanical engineer and metallurgist.***
 American Society of Mechanical Engineers. Transactions. 1899.
 v.20, p.998-1000.....r 621.05 A5123 v.20
- Schofield, Mark William, 1846-73, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.63,
 p.432-433.....r 620.5 A51 v.63
- Schönbein, Christian Friedrich, 1799-1868, *German chemist.***
 Berzelius & Schönbein. Letters, 1836-1847; ed. by G. W. A. Kahl-
 baum, tr. by F. V. Darbishire and N. V. Sidgwick. 1900.....92 B465
 Kahlbaum & Schaer. Christian Friedrich Schönbein, 1799-1868; ein
 blatt zur geschichte des 19. jahrhunderts. 2v. 1899-1901.....92 S371k
 Smithsonian Institution. Annual report. 1868. v.23,
 p.185-192.....r 506 S66 v.23
- Schönfeld, Eduard, 1828-91, *German astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1891. v.26,
 p.381-382.....qr 506 A5122p v.26
- Schoolcraft, Henry Rowe, 1793-1864, *American ethnologist and explorer.***
 Popular science monthly. 1890. v.37, p.113-121.....r 505 P81 v.37
 Youmans. Pioneers of science in America. 1896. p.300-310..925 Y35
- Schorlemmer, Carl, 1834-92, *German chemist.***
 Royal Society of London. Proceedings. 1893. v.52,
 p.vii-ix.....r 506 R81pr v.52
 Schorlemmer. Rise and development of organic chemistry. 1894.
 p.xi-xxiv.....547.09 S37
- Schott, Charles Henry, 1826-1901, *German geodetic surveyor.***
 Philosophical Society of Washington. Bulletin. 1901. v.14, p.312-
 314.....r 506 W27 v.14
- Schulze-Berge, Franz, 1856-94, *German electrician.***
 American Institute of Electrical Engineers. Transactions. 1894.
 v.11, p.873-874.....r 621.305 A512 v.11

- *Schunck, Henry Edward, 1820-1903, *English chemist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.261-265.....r 506 R81pr v.75
- Schuyler, Howard, 1844-83, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.572-574.....r 620.5 A51 v.36
- Schwann, Theodor, 1810-82, *German biologist.***
 American Academy of Arts and Sciences. Proceedings. 1882. v.17,
 p.460-461.....qr 506 A5122p v.17
 Nature. 1878. v.18, p.297-298.....qr 505 N15 v.18
 Nature. 1882. v.25, p.321-323.....qr 505 N15 v.25
 Popular science monthly. 1890. v.37, p.257-264.....r 505 P81 v.37
 Stirling. Some apostles of physiology. 1902. p.96-99..qr 926.i S86
- Schweinitz, Lewis David von, 1780-1834, *American botanist.***
 Popular science monthly. 1894. v.44, p.833-840.....r 505 P81 v.44
 Youmans. Pioneers of science in America. 1896. p.167-175..925 Y35
- Scott, William Lawrence, 1828-91, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1891. v.17,
 p.285-289.....r 620.6 A51p v.17
- Scranton, William H. 1840-89, *American mining engineer.***
 American Institute of Mining Engineers. Transactions. 1889. v.18,
 p.213-218.....r 622.05 A51 v.18
- *Scrope, George Julius Poulett, 1797-1876, *English geologist.***
 Royal Society of London. Proceedings. 1877. v.25,
 p.I-IV.....r 506 R81pr v.25
- Sears, Alfred Francis, 1826-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1178-1179.....r 620.5 A51 v.75
- Sears, Walter Herbert, 1847-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1180-1181.....r 620.5 A51 v.75
- Seaver, John Wright, 1855-1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.72,
 p.596-597.....r 620.5 A51 v.72
 American Society of Mechanical Engineers. Transactions. 1911.
 v.33, p.1206-1207.....r 621.05 A5123 v.33
- Secchi, Angelo, 1818-78, *Italian astronomer.***
 Nature. 1878. v.17, p.370.....qr 505 N15 v.17
 Walsh. Catholic churchmen in science. 1906. v.2,
 p.208-213.....509 W18 v.2
- *Sedgwick, Adam, 1785-1873, *English geologist.***
 American Academy of Arts and Sciences. Proceedings. 1873. v.9,
 p.279-282.....qr 506 A5122p v.9
 Geikie. Founders of geology. 1905. p.421-434.....550.9 G28
 Nature. 1873. v.7, p.257-259.....qr 505 N15 v.7

- *Seeley, Harry Govier, 1839–1909, *English geologist and zoölogist.***
 Royal Society of London. Proceedings. 1910–11. v.83B,
 p.xv–xvii.....r 506 R81pr v.83B
- Seely, Thomas Jennings, 1848–83, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.574–575.....r 620.5 A51 v.36
- Segner, Johann Andreas, 1704–77, *German mathematician and astronomer.***
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
 technik und industrie. 1913. v.5, p.174–213.....qr 609 V27 v.5
- Sellers, Coleman, 1827–1907, *American engineer.***
 American Society of Mechanical Engineers. Transactions. 1907.
 v.29, p.1163–1171.....r 621.05 A5123 v.29
- Sellers, William, 1824–1905, *American mechanical engineer.***
 American Society of Mechanical Engineers. Transactions. 1905.
 v.26, p.829–831.....r 621.05 A5123 v.26
- *Selwyn, Alfred Richard Cecil, 1824–1902, *English geologist.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.325–328.....r 506 R81pr v.75
- Semper, Carl Gottfried, 1832–93, *German zoölogist.***
 Popular science monthly. 1898. v.52, p.837–842.....r 505 P81 v.52
- Séguard, Charles Édouard Brown-. *See Brown-Séguard, Charles Édouard.***
- Serres, Olivier de, *seigneur du Pradel, 1539–1619, French agriculturist.***
 Miall. Early naturalists. 1912. p.93–98.....925.7 M66
- Servetus, Michael, 1509–53, *Spanish physiologist.***
 Barth. Calvin und Servet. 1909.....92 C144b
 Popular science monthly. 1877. v.12, p.91–104.....r 505 P81 v.12
 Popular science monthly. 1892. v.41, p.519–530.....r 505 P81 v.41
 Stirling. Some apostles of physiology. 1902. p.5–7...qr 926.1 S86
- Seyler, Felix Hoppe-. *See Hoppe-Seyler, Felix.***
- Seymour, Horatio, 1844–1907, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.66,
 p.507–508.....r 620.5 A51 v.66
- Shaler, Ira Alexander, 1862–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.357–359.....r 620.5 A51 v.49
- Shaler, Nathaniel Southgate, 1841–1906, *American geologist.***
 Geological Society of America. Bulletin. 1908. v.18,
 p.592–609.....qr 550.5 B87 v.18
 Shaler. Autobiography. 1909.....92 S528
- Shallenberger, Oliver Blackburn, 1860–98, *American electrical engineer.***
 American Institute of Electrical Engineers. Transactions. 1898.
 v.15, p.744–753.....r 621.305 A512 v.15
- Shanks, James, 1800–67, *English chemical manufacturer.***
 Allen. Some founders of the chemical industry. 1906.
 p.201–230.926.6 A42

- *Sharpe, Daniel, 1806-56, *English geologist.***
 Royal Society of London. Proceedings. 1856. v.8,
 p.275-279.....r 506 R81pr v.8
- *Sharpey, William, 1802-80, *English physiologist.***
 Royal Society of London. Proceedings. 1880. v.30,
 p.x-xix.....r 506 R81pr v.30
- Shattuck, George Cheyne, 1813-93, *American physician.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.356-357.....qr 506 A5122p v.28
- Sheafer, Peter Wenrich, 1819-91, *American geologist.***
 American Philosophical Society. Proceedings. 1891. v.29, p.39-
 42.....r 506 A512 v.29
- *Sheepshanks, Richard, 1794-1855, *English astronomer.***
 Royal Society of London. Proceedings. 1855. v.7,
 p.612-615.....r 506 R81pr v.7
- *Shenstone, William Ashwell, 1850-1908, *English chemist.***
 Royal Society of London. Proceedings. 1909. v.82A,
 p.xxii-xxiv.....r 506 R81pr v.82A
- Shepard, Charles Upham, 1804-86, *American mineralogist.***
 American Academy of Arts and Sciences. Proceedings. 1886. v.21,
 p.535-537.....qr 506 A5122p v.21
 Popular science monthly. 1895. v.47, p.548-553.....r 505 P81 v.47
 Youmans. Pioneers of science in America. 1896. p.419-427..925 Y35
- Shima, Takejiro, 1871-1911, *Japanese engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.525-526.....r 620.5 A51 v.74
- Shinn, William Powell, 1834-92, *American engineer.***
 American Institute of Mining Engineers. Transactions. 1892. v.21,
 p.394-400.....r 622.05 A51 v.21
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.123-129.....r 620.6 A51p v.18
- Sholes, Christopher Latham, 1819-90, *American inventor.***
 Iles. Leading American inventors. 1912. p.315-337.....926 I22
- Short, Charles Wilkins, 1794-1863, *American botanist.***
 Gray. Scientific papers. 1889. v.2, p.312-314.....580.4 G81s v.2
- Shreeve, Samuel Henry, 1829-84, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1896. v.22,
 p.86-87.....r 620.6 A51p v.22
- *Sibson, Francis, 1814-76, *English physician.***
 Royal Society of London. Proceedings. 1878. v.26,
 p.i-iii.....r 506 R81pr v.26
- Sickels, Frederick Ellsworth, 1819-95, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1896. v.22,
 p.130-134.....r 620.6 A51p v.22
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.577-582.....r 620.5 A51 v.36

- Sickels**, Theophilus E. 1822–85, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.130–131.....r 620.6 A51p v.11
- Siebold**, Carl Theodor Ernst von, 1804–85, *German zoölogist*.
 American Academy of Arts and Sciences. Proceedings. 1886. v.21,
 p.548–549.....qr 506 A5122p v.21
- *Siemens**, Sir Charles William, 1823–83, *German-English engineer and metallurgist*.
 American Institute of Mining Engineers. Transactions. 1884. v.12,
 p.645–660.....r 622.05 A51 v.12
 Hennig. Buch berühmter ingenieure. 1911. p.1–48.....926.2 H44
 Jeans. Creators of the age of steel. 1884. p.131–212.....926 J22
 Munro. Heroes of the telegraph. 1891. p.115–140.....925 M96
 Nature. 1883. v.29, p.97–101.....qr 505 N15 v.29
 Popular science monthly. 1884. v.24, p.549–553.....r 505 P81 v.24
 Royal Society of London. Proceedings. 1884. v.37,
 p.I–X.....r 506 R81pr v.37
- Siemens**, Werner von, 1816–92, *German electrical engineer*.
 Nature. 1892. v.47, p.153–154.....qr 505 N15 v.47
 Popular science monthly. 1893. v.43, p.831–838.....r 505 P81 v.43
 Siemens. Personal recollections. 1893.....92 S571
- Silliman**, Benjamin, 1779–1864, *American chemist, geologist and physicist*.
 American journal of science. 1865. v.89, p.1–9.....r 505 A51 v.89
 Fisher. Life of Benjamin Silliman, chiefly from his reminiscences,
 diaries and correspondence. 2v. 1866.....92 S584f
 Jordan. Leading American men of science. 1910. p.89–117..925 J42
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.1, p.99–112.....r 925 N15 v.1
 Popular science monthly. 1883. v.23, p.259–266.....r 505 P81 v.23
 Youmans. Pioneers of science in America. 1896. p.140–151..925 Y35
- Silliman**, Benjamin, 1816–85, *American chemist*.
 American Academy of Arts and Sciences. Proceedings. 1885. v.20,
 p.523–527.....qr 506 A5122p v.20
 American Institute of Mining Engineers. Transactions. 1885. v.13,
 p.782–785.....r 622.05 A51 v.13
- *Simms**, William, 1793–1860, *English maker of astronomical instruments*.
 Royal Society of London. Proceedings. 1862. v.11,
 p.xxxix–xxx.....r 506 R81pr v.11
- *Simon**, Sir John, 1816–1904, *English sanitarian and pathologist*.
 Bettany. Eminent doctors. 1885. v.2, p.304–306.....916.1 B46 v.2
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.336–346.....r 506 R81pr v.75
- *Simpson**, Sir James Young, 1811–70, *Scottish physician*.
 Bettany. Eminent doctors. 1885. v.2, p.83–104.....926.1 B46 v.2
 Gordon. Sir James Young Simpson and chloroform, 1811–1870.
 1898.92 S613g

- *Simpson, Sir James Young—continued.**
 Knight. Some nineteenth century Scotsmen. 1903. p.52-58. 920 K34
 Simpson, E. B. Sir James Y. Simpson. 1896.....92 S6138
- *Simpson, Maxwell, 1815-1902, Irish chemist.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.175-181.....r 506 R81pr v.75
- Sims, James Marion, 1813-83, American surgeon.**
 Sims. Story of my life; ed. by his son, H. Marion-Sims.
 1884.92 S614
- *Simson, Robert, 1687-1768, Scottish mathematician.**
 Brougham. Lives of men of letters and science. 1845-56. v.1,
 p.467-516.....qr 928 B77 v.1
- Sites, Wilmon W. C. 1849-85, American engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.582-584.....r 620.5 A51 v.36
- Sladen, Walter Percy, 1849-1900, English zoölogist.**
 Nature. 1900. v.62, p.256-257.....qr 505 N15 v.62
- Slataper, Felician, 1828-1906, Austro-American engineer.**
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.540-543.....r 620.5 A51 v.58
- Slater, Samuel, 1768-1835, American cotton manufacturer.**
 Howe. Lives of eminent mechanics. 1857. p.85-98.....926 H85
- ~~Slat~~ Slat, Robert Imlay, 1837-1901, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.562-563.....r 620.5 A51 v.46
- *Smeaton, John, 1724-92, English engineer.**
 Howe. Lives of eminent mechanics. 1857. p.219-230.....926 H85
 Smiles. Lives of the engineers. 1874. v.2, p.85-180....926 S641 v.2
- Smedley, Samuel Lightfoot, 1832-94, American engineer.**
 American Society of Civil Engineers. Proceedings. 1895. v.21,
 p.88-90.....r 620.6 A51p v.21
- Smith, Albert Holmes, 1835-85, American physician.**
 American Philosophical Society. Proceedings. 1886. v.23, p.606-
 611.....r 506 A512 v.23
- *Smith, Archibald, 1813-72, Scottish mathematician and physicist.**
 Nature. 1873. v.8, p.183-184.....qr 505 N15 v.8
 Royal Society of London. Proceedings. 1874. v.22,
 p.I-XIX.....r 506 R81pr v.22
- Smith, Benjamin Burgh, 1835-1904, American engineer.**
 American Society of Civil Engineers. Transactions. 1904. v.52,
 p.550-551.....r 620.5 A51 v.52
- Smith, Charles Augustus, 1846-84, American engineer.**
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.122-123.....r 620.6 A51p v.11

- Smith, Charles Shaler, 1836-86, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.105-110.....r 620.6 A51p v.13
- Smith, Charles Vandervoort, 1837-84, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.126-127.....r 620.6 A51p v.11
- Smith, David, 1834-1903, *American naval engineer.***
 Philosophical Society of Washington. Bulletin. 1905. v.14, p.315-
 316.....r 506 W27 v.14
- Smith, David Lowber, 1846-93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.57-58.....r 620.6 A51p v.20
- *Smith, Sir Francis Pettit, 1808-74, *English ship-builder, inventor of the
 screw-propeller.***
 Smiths. Men of invention and industry. 1885. p.49-71.....926 S64
- Smith, Frederick Henry, 1839-98, *American engineer.***
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.643-644.....r 620.5 A51 v.41
- Smith, Hamilton, 1840-1900, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.564-565.....r 620.5 A51 v.46
- *Smith, Henry John Stephen, 1826-82, *English mathematician.***
 Nature. 1883. v.27, p.381-384.....qr 505 N15 v.27
- Smith, Isaac Williams, 1826-97, *American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v.38,
 p.456-461.....r 620.5 A51 v.38
- Smith, James, 1872-1911, *Scottish engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.518-519.....r 620.5 A51 v.74
- *Smith, Sir James Edward, 1759-1828, *English botanist.***
 Smith. Memoir and correspondence. 2v. 1832.....r 92 S651
- Smith, John Lawrence, 1818-83, *American chemist.***
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.535-539.....qr 506 A5122p v.19
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.217-248.....r 925 N15 v.2
 Popular science monthly. 1874. v.6, p.233-235.....r 505 P81 v.6
- *Smith, Robert Angus, 1817-84, *Scottish chemist.***
 Nature. 1884. v.30, p.104-105.....qr 505 N15 v.30
- Smith, Thomas Guilford, 1839-1912, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1182-1183.....r 620.5 A51 v.75
- Smith, Van Dusen Hite-. *See Hite-Smith, Van Dusen.***
- *Smith, William, 1769-1839, *English geologist.***
 Geikie. Founders of geology. 1905. p.381-396.....550.9 G28

- Smith, William Farrar, 1824–1903, American military and civil engineer.**
Wilson. Life and services of William Farrar Smith, major general, United States volunteers in the Civil war. 1904.....*g2 S6642w*
- *Smithson, James, 1765–1829, founder of the Smithsonian Institution.**
Goode. Smithsonian Institution, 1846–1896. 1897. p.1–24...*qr 506 G6a*
- *Smyth, William Henry, 1788–1865, English astronomer and hydrographer.**
Royal Society of London. Proceedings. 1867. v.15,
p.XLIII–XLIV.....*r 506 R81pr v.15*
- *Snelus, George James, 1837–1906, English metallurgist.**
Jeans. Creators of the age of steel. 1884. p.318–336.....*g26 J22*
Royal Society of London. Proceedings. 1906. v.78A,
p.LX–LXI.....*r 506 R81pr v.78A*
- Somerset, Edward, marquis of Worcester. See Worcester, Edward Somerset, marquis of.**
- *Sorby, Henry Clifton, 1826–1908, English geologist.**
Royal Society of London. Proceedings. 1908. v.80B,
p.LVI–LXVI.....*r 506 R81pr v.80B*
- *South, Sir James, 1785–1867, English astronomer.**
Royal Society of London. Proceedings. 1868. v.16,
p.XLIV–XLVII.....*r 506 R81pr v.16*
- Spallanzani, Lazzaro, 1729–99, Italian physiologist.**
Stirling. Some apostles of physiology. 1902. p.60–64...*qr 926.i S86*
- Spaulding, Ira, 1818–75, American engineer.**
American Society of Civil Engineers. Proceedings. 1875. v.1,
p.338–340.....*r 620.6 A51p v.1*
- Spence, Peter, 1806–83, English chemical manufacturer.**
Allen. Some founders of the chemical industry. 1906. p.251–
289.*g26.6 A42*
- *Spence, William, 1783–1860, English entomologist.**
Royal Society of London. Proceedings. 1862. v.11,
p.XXX–XXXI.....*r 506 R81pr v.11*
- *Spencer, Herbert, 1820–1903, English scientist.**
Clodd. Pioneers of evolution. 1897. p.161–185.....*g25 C61*
Duncan. Life and letters of Herbert Spencer. 2v. 1908..*g2 S745d*
Forum. 1904. v.35, p.610–628.....*r 051 F79 v.35*
Outlook. 1904. v.76, p.19–23.....*r 071 Q32 v.76*
Popular science monthly. 1899. v.55, p.542–552.....*r 505 P81 v.55*
Royce. Herbert Spencer; an estimate and review. 1904...*g2 S745f*
Thomson. Herbert Spencer. 1906.....*g2 S745t*
Warner classics. 1897. v.1, p.121–169.....*g28 W23w v.1*
- Spielmann, Arthur, 1847–83, American engineer.**
American Society of Civil Engineers. Proceedings. 1884. v.10,
p.115–117.....*r 620.6 A51p v.10*
- *Spottiswoode, William, 1825–83, English physicist.**
Royal Society of London. Proceedings. 1885. v.38,
p.XXXIV–XXXIX.....*r 506 R81pr v.38*

- *Spratt, Thomas Abel Brimage, 1811–88, *English hydrographer.***
 Royal Society of London. Proceedings. 1888. v.43,
 p.XI–XII.....r 506 R81pr v.43
- Sproul, Archibald Alexander, 1868–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.435–437.....r 620.5 A51 v.71
- *Spruce, Richard, 1817–93, *English botanist.***
 Nature. 1894. v.49, p.317–319.....qr 505 N15 v.49
- Stahl, George Ernest, 1660–1734, *German chemist.***
 Roberts. Famous chemists. 1911. p.2–5.....925.4 R53
- *Stainton, Henry Tibbats, 1822–92, *English entomologist.***
 Royal Society of London. Proceedings. 1893. v.52,
 p.IX–XII.....r 506 R81pr v.52
- *Stanhope, Charles Mahon Stanhope, earl, 1753–1816, *English inventor.***
 Howe. Lives of eminent mechanics. 1857. p.318–323.....926 H85
- *Stanley, Edward, 1793–1862, *English surgeon.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.LXIII–LXIX.....r 506 R81pr v.12
- *Stanley, William Ford, 1829–1909, *English manufacturer of scientific instruments.***
 Stanley. William Ford Stanley; his life and work; ed. by Richard
 Inwards. 1911.....92 S789s
- Stanwood, James Hugh, 1860–94, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.590.....r 620.5 A51 v.36
- Starling, William, 1839–1900, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.566–567.....r 620.5 A51 v.46
- Stas, Jean Servais, 1813–91, *Belgian chemist.***
 Chemical Society of London. Memorial lectures, 1893–1900. 1901.
 p.I–56.925.4 C42
 Nature. 1892. v.46, p.81–83.....qr 505 N15 v.46
- Steele, Henry Maynadier, 1865–1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1910. v.67,
 p.631–633.....r 620.5 A51 v.67
- *Stenhouse, John, 1809–80, *Scottish chemist.***
 Royal Society of London. Proceedings. 1880. v.30,
 p.XIX–XXI.....r 506 R81pr v.30
- Steno, Nicolaus, 1638–86, *Danish anatomist and geologist.***
 Nature. 1882. v.25, p.484–486.....qr 505 N15 v.25
 Stirling. Some apostles of physiology. 1902. p.30–33..qr 926.I S86
 Walsh. Catholic churchmen in science. 1906. v.1,
 p.137–166.....509 W18 v.1
- Stensen, Niels. *See Steno, Nicolaus.***

- *Stephenson, George, 1781-1848, English engineer and founder of railways.**
 Joy. Ten Englishmen of the 19th century. 1902. p.64-78..923 J47
 Layson. Great engineers. p.9-120.....926 L44
 Nicoll. Great movements and those who achieved them. 1882.
 p.412-428.920 N32
 Smiles. Life of George Stephenson and of his son Robert.
 1868.92 S836s
 Smiles. Lives of the engineers. 1874. v.5.....926 S641 v.5
 Thayer. Men who win. 1897. p.400-427.....920 T34m
- *Stephenson, Robert, 1803-59, English engineer.**
 Jaeffreson. Life of Robert Stephenson; with descriptive chapters
 on some of his most important professional works by William Pole. 2v.
 1866.92 S837j
 Layson. Great engineers. p.121-232.....926 L44
 Record of the progress of modern engineering. 1865. v.2, pref.
 p.5-8.....qr 620.9 R26 v.2
 Royal Society of London. Proceedings. 1859. v.10,
 p.xxix-xxxiv.....r 506 R81pr v.10
 Smiles. Life of George Stephenson and of his son Robert.
 1868.92 S836s
 Smiles. Lives of the engineers. 1874. v.5.....926 S641 v.5
- Sternberg, George Miller, b. 1838, American bacteriologist.**
 Popular science monthly. 1899. v.56, p.116-121.....r 505 P81 v.56
- Stetefeldt, Carl August, 1838-96, German mining engineer.**
 American Institute of Mining Engineers. Transactions. 1896. v.26,
 p.537-544.....r 622.05 A51 v.26
- Stevens, Robert Livingston, 1787-1856, American marine engineer and
 inventor.**
 Iles. Leading American inventors. 1912. p.3-39.....926 I22
- *Stevenson, Alan, 1807-65, English civil engineer.**
 Pioneers of progress. [1910.] p.37-66.....926 P64
- *Stevenson, Robert, 1772-1850, Scottish engineer.**
 Stevenson, David. Life of Robert Stevenson, civil engineer.
 1878.q 92 S8482s
- *Stewart, Balfour, 1828-87, Scottish physicist.**
 American Academy of Arts and Sciences. Proceedings. 1888. v.23,
 p.375-377.....qr 506 A5122p v.23
 Nature. 1887. v.37, p.202-203.....qr 505 N15 v.37
 Royal Society of London. Proceedings. 1889. v.46,
 p.ix-xi.....r 506 R81pr v.46
- Stewart, David A. 1831-88, American engineer.**
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.160-161.....r 620.6 A51p v.19
- Stieltjes, Frederick, 1857-1901, Dutch mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1902.
 v.23, p.853-855.....r 621.05 A5123 v.23

- Stites, Archer Cochran, 1863-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.475-476.....r 620.5 A51 v.56
- Stixrud, Martinius, 1857-1901, Norwegian engineer.**
 American Society of Civil Engineers. Transactions. 1903. v.51,
 p.463-465.....r 620.5 A51 v.51
- Stöckhardt, Julius Adolph, 1809-86, German agricultural chemist.**
 Popular science monthly. 1881. v.19, p.261-264.....r 505 P81 v.19
- *Stokes, Sir George Gabriel, 1819-1903, English mathematician and physicist.**
 Nature. 1875. v.12, p.201-203.....qr 505 N15 v.12
 Popular science monthly. 1875. v.7, p.742-745.....r 505 P81 v.7
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.199-216.....r 506 R81pr v.75
- *Stokes, William, 1804-78, English physician.**
 Bettany. Eminent doctors. 1885. v.2, p.188-193.....926.1 B46 v.2
 Stokes, Sir William. William Stokes; his life and work.
 1898.92 S8748
- *Stone, Edward James, 1831-97, English astronomer.**
 Royal Society of London. Proceedings. 1898. v.62,
 p.x-xxiii.....r 506 R81pr v.62
- Stone, Waterman, 1847-96, American engineer.**
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.649.....r 620.5 A51 v.41
- *Stoney, Bindon Blood, 1828-1909, Irish engineer.**
 Royal Society of London. Proceedings. 1911. v.85A,
 p.viii-x.....r 506 R81pr v.85A
- Storer, David Humphreys, 1804-91, American ichthyologist.**
 American Academy of Arts and Sciences. Proceedings. 1892. v.27,
 p.388-391.....qr 506 A5122p v.27
- Storrow, Charles Storer, 1809-1904, American engineer.**
 American Academy of Arts and Sciences. Proceedings. 1905. v.40,
 p.769-773.....qr 506 A5122p v.40
- *Strachey, Sir Richard, 1817-1908, English meteorologist.**
 Nature. 1908. v.77, p.395-397.....qr 505 N15 v.77
 Royal Society of London. Proceedings. 1908. v.81A,
 p.lxxxiv-xciii.....r 506 R81pr v.81A
- Strasburger, Eduard, 1844-1912, German botanist.**
 Nature. 1912. v.89, p.379-380.....qr 505 N15 v.89
- Stratton, Franklin Asa, 1829-79, American engineer.**
 American Society of Civil Engineers. Proceedings. 1879. v.5,
 p.96-98.....r 620.5 A51p v.5
- Stratton, George Draper, 1870-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1906. v.56,
 p.481.....r 620.5 A51 v.56

- Striedinger, Julius Hermann, 1841-94, German-American engineer.**
 American Society of Civil Engineers. Proceedings. 1894. v.20,
 p.198-200.....r 620.5 A51p v.20
- Strobach, Paul von, 1776-1854, Bohemian engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
 technik und industrie. 1909. v.4, p.196-241.....qr 609 V27 v.4
- Strong, Theodore, 1790-1869, American mathematician.**
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.1-28.....r 925 N15 v.2
- *Struthers, Sir John, 1823-99, Scottish anatomist.**
 Nature. 1899. v.59, p.468-469.....qr 505 N15 v.59
- Strutt, John William, baron Rayleigh. See Rayleigh, John William
 Strutt, baron.**
- Struve, Friedrich Georg Wilhelm, 1793-1864, German astronomer.**
 Royal Society of London. Proceedings. 1865. v.14,
 p.xx-xxii.....r 506 R81pr v.14
 Smithsonian Institution. Annual report. 1867. v.22,
 p.370-390.....r 506 S66 v.22
- Struve, Otto Wilhelm, 1819-1905, German astronomer.**
 Popular astronomy. 1906. v.14, p.352-368.....qr 520.5 P81 v.14
 Popular science monthly. 1880. v.17, p.263-264.....r 505 P81 v.17
 Royal Society of London. Proceedings. 1906. v.78A,
 p.liv-lix.....r 506 R81pr v.78A
- Studer, Bernhard, 1794-1887, Swiss geologist.**
 American Academy of Arts and Sciences. Proceedings. 1888. v.23,
 p.377-379.....qr 506 A5122p v.23
- Sturm, Jacques Charles François, 1803-55, Swiss mathematician.**
 Royal Society of London. Proceedings. 1856. v.8,
 p.260-264.....r 506 R81pr v.8
- Suess, Eduard, b. 1831, Austrian geologist.**
 Nature. 1905. v.72, p.1-3.....qr 505 N15 v.72
- Sullivant, William Starling, 1803-73, American bryologist.**
 American Academy of Arts and Sciences. Proceedings. 1873. v.9,
 p.271-276.....qr 506 A5122p v.9
 Gray. Scientific papers. 1889. v.2, p.370-376.....580.4 G81s v.2
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.277-285.....r 925 N15 v.1
 Popular science monthly. 1896. v.48, p.690-696.....r 505 P81 v.48
 Youmans. Pioneers of science in America. 1896. p.394-401..925 Y35
- Swammerdam, Jan, 1637-80, Dutch physiologist.**
 Miall. Early naturalists. 1912. p.174-199.....925.7 M66
 Popular science monthly. 1901. v.58, p.570-577.....r 505 P81 v.58
 Stirling. Some apostles of physiology. 1902. p.34-35..qr 926.1 S86
- Swan, Charles Herbert, 1842-99, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.568-569.....r 620.5 A51 v.46

- Swift, Joseph Gardner, 1783-1865, *American engineer.***
 Stuart. Lives and works of civil and military engineers of America. 1871. p.132-140.....r 926 S92
- Swift, McRee, 1819-96, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36, p.616-617.....r 620.5 A51 v.36
- *Sydenham, Thomas, 1624-89, *English physician.***
 Bettany. Eminent doctors. 1885. v.1, p.52-70.....926.1 B46 v.1
 Payne. Thomas Sydenham. 1900.....92 S982p
 Sydenham. Works. 1848-50. v.1, p.11-89.....r 616 S98 v.1
- *Sylvester, James Joseph, 1814-97, *English mathematician.***
 Nature. 1889. v.39, p.217-219.....qr 505 N15 v.39
 Nature. 1897. v.55, p.492-494.....qr 505 N15 v.55
 Royal Society of London. Proceedings. 1898. v.63, p.IX-XXV.....r 506 R81pr v.63
- Sylvius, Franciscus, 1614-72, *German physiologist.***
 Foster. Lectures on the history of physiology. 1901. p.147-153.....612.09 F81
 Stirling. Some apostles of physiology. 1902. p.48-49..qr 926.1 S86
- *Syme, James, 1799-1870, *Scottish surgeon.***
 Bettany. Eminent doctors. 1885. v.2, p.34-48.....926.1 B46 v.2
 Knight. Some nineteenth century Scotsmen. 1903. p.43-48..920 K34
- Symons, George James, 1838-1900, *English meteorologist.***
 Royal Society of London. Proceedings. 1904-05. v.75, p.104-105.....r 506 R81pr v.75
- *Tait, Peter Guthrie, 1831-1901, *Scottish physicist and mathematician.***
 Knott. Life and scientific work of Peter Guthrie Tait. 1911.qr 504 T14 v.3
 Nature. 1901. v.64, p.305-307.....qr 505 N15 v.64
 Popular science monthly. 1902. v.61, p.163-169.....r 505 P81 v.61
- Talcott, Cook, 1826-93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19, p.99-100.....r 620.6 A51p v.19
- Talcott, William H. 1809-68, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19, p.97-99.....r 620.6 A51p v.19
- Tarr, Ralph Stockman, 1864-1912, *American geologist.***
 Geological Society of America. Bulletin. 1913. v.24, p.29-43.....qr 550.5 B87 v.24
- Tatnall, George, 1853-1906, *American engineer.***
 American Society of Civil Engineers. Transactions. 1907. v.58, p.544-546.....r 620.5 A51 v.58
- *Taylor, Alfred Swaine, 1806-80, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.291-294.....926.1 B46 v.2

- *Taylor, John, 1779–1863, *English mining engineer.***
 Royal Society of London. Proceedings. 1864. v.13,
 p.v–vii.....r 506 R81pr v.13
- Taylor, Selwyn Mellon, 1862–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1904. v.52,
 p.552–555.....r 620.5 A51 v.52
- Taylor, William Bower, 1821–95, *American physicist.***
 Smithsonian Institution. Annual report. 1896. v.51, pt.1, p.645–
 656.....r 506 S66 v.51, pt.1
- Taylor, William Dana, 1859–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.74,
 p.520–521.....r 620.5 A51 v.74
- Teigen, Thomas William Rostad, 1881–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1193–1194.....r 620.5 A51 v.75
- Teisserenc de Bort, Léon Philippe, 1855–1913, *French meteorologist.***
 Nature. 1913. v.90, p.519–520.....qr 505 N15 v.90
- *Telford, Thomas, 1757–1834, *Scottish engineer.***
 Howe. Lives of eminent mechanics. 1857. p.330–336.....926 H85
 Smiles. Lives of the engineers. 1874. v.3, p.101–324..926 S64l v.3
- Temple, John H. 1812–77, *American manufacturer of mathematical instru-
 ments.***
 American Academy of Arts and Sciences. Proceedings. 1878. v.13,
 p.449–451.....qr 506 A5122p v.13
- Thales, 640(?)–546(?) B. C., *Greek philosopher, astronomer and geometer.***
 Munro. Pioneers of electricity. 1890. p.11–29.....925 M96p
- Thayer, William Watmough, 1862–93, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.94–97.....r 620.6 A51p v.19
- Thénard, Louis Jacques, baron, 1777–1857, *French chemist.***
 Royal Society of London. Proceedings. 1857. v.9,
 p.60–64.....r 506 R81pr v.9
 Smithsonian Institution. Annual report. 1862. v.17,
 p.373–383.....r 506 S66 v.17
- Thomas, Arthur Towne, 1862–1900, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.360.....r 620.5 A51 v.49
- Thomas, George Edward, 1841–1908, *Welsh engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.61,
 p.571–575.....r 620.5 A51 v.61
- Thomas, Joseph Russell, 1820–96, *American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.566–568.....r 620.5 A51 v.37

- *Thomas, Sidney Gilchrist, 1850-85, *English metallurgist.***
 American Institute of Mining Engineers. Transactions. 1885. v.13,
 p.785-791.....r 622.05 A51 v.13
 Jeans. Creators of the age of steel. 1884. p.300-317.....926 J22
- Thompson, Benjamin. See Rumford, Benjamin Thompson, count.**
- Thompson, Charles Oliver, 1836-85, *American chemist.***
 American Institute of Mining Engineers. Transactions. 1885. v.14,
 p.190-195.....r 622.05 A51 v.14
- *Thompson, Sir Henry, 1820-1904, *English surgeon.***
 Bettany. Eminent doctors. 1885. v.2, p.194-200.....926.I B46 v.2
- Thompson, John Chambers, 1844-80, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.584.....r 620.5 A51 v.36
- *Thompson, Theophilus, 1807-60, *English physician.***
 Royal Society of London. Proceedings. 1862. v.11,
 p.xxxi-xxxii.....r 506 R81pr v.11
- Thompson, Zadoc, 1796-1856, *American naturalist.***
 American journal of science. 1856. v.72, p.44-49....r 505 A51 v.72
 Popular science monthly. 1894. v.46, p.262-267.....r 505 P81 v.46
 Youmans. Pioneers of science in America. 1896. p.319-326..925 Y35
- Thomsen, Julius, 1826-1909, *Danish chemist.***
 Royal Society of London. Proceedings. 1910-11. v.84A,
 p.xxiii-xxix.....r 506 R81pr v.84A
- *Thomson, Allen, 1809-84, *Scottish biologist.***
 Royal Society of London. Proceedings. 1887. v.42,
 p.xi-xxviii.....r 506 R81pr v.42
- *Thomson, Sir Charles Wyville, 1830-82, *Scottish zoölogist.***
 Popular science monthly. 1883. v.22, p.693-698.....r 505 P81 v.22
- Thomson, George Huntington, 1847-1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.438-441.....r 620.5 A51 v.71
- *Thomson, James, 1822-92, *English civil engineer.***
 Royal Society of London. Proceedings. 1893. v.53,
 p.i-x.....r 506 R81pr v.53
- Thorndike, John Larkin, 1834-1901, *American engineer.***
 American Society of Civil Engineers. Transactions. 1908. v.60,
 p.590-592.....r 620.5 A51 v.60
- *Thorne, Sir Richard Thorne, 1841-99, *English physician and medical officer.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.110-112.....r 506 R81pr v.75
- Thorp, Richard Fenwick, 1868-1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.442-444.....r 620.5 A51 v.71

- Thurston, Robert Henry, 1839–1903, *American mechanical engineer.***
 American Institute of Mining Engineers. Transactions. 1905. v.35,
 p.425–430.....r 622.05 A51 v.35
 American Society of Mechanical Engineers. Transactions. 1904.
 v.25, p.1113–1120.....r 621.05 A5123 v.25
 Smithsonian Institution. Annual report. 1903. v.58, pt.1, p.843–
 849.....r 506 S66 v.58, pt.1
- Tidd, Marshall Martain, 1827–95, *American engineer.***
 American Society of Civil Engineers. Transactions. 1897. v.37,
 p.568–570.....r 620.5 A51 v.37
- Tiedemann, Friedrich, 1781–1861, *German zoölogist and anatomist.***
 Royal Society of London. Proceedings. 1863. v.12,
 p.xxvii–xxxii.....r 506 R81pr v.12
- Tilghman, Benjamin Chew, 1821–1901, *American inventor.***
 Iles. Leading American inventors. 1912. p.369–392.....926 I22
- Tingley, George Curtis, 1831–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1904. v.53,
 p.510–511.....r 620.5 A51 v.53
- Tisserand, François Félix, 1845–96, *French astronomer.***
 Poincaré. Savants et écrivains. p.141–156.....925 P74
- *Todd, Sir Charles, 1826–1910, *English astronomer.***
 Royal Society of London. Proceedings. 1911. v.85A,
 p.xiii–xvii.....r 506 R81pr v.85A
- *Todd, Robert Bentley, 1809–60, *Irish physician.***
 Royal Society of London. Proceedings. 1862. v.11,
 p.xxxii–xxxiv.....r 506 R81pr v.11
- *Todhunter, Isaac, 1820–84, *English mathematician.***
 Royal Society of London. Proceedings. 1884. v.37,
 p.xxvii–xxxii.....r 506 R81pr v.37
- *Tomes, Sir John, 1815–95, *English dental surgeon.***
 Royal Society of London. Proceedings. 1896. v.59,
 p.xiii–xiv.....r 506 R81pr v.59
- Toner, Joseph Meredith, 1825–96, *American physician.***
 Smithsonian Institution. Annual report. 1896. v.51, pt.1, p.637–
 643.....r 506 S66 v.51, pt.1
- *Topley, William, 1841–94, *English geologist.***
 Royal Society of London. Proceedings. 1896. v.59,
 p.lxix–lxxi.....r 506 R81pr v.59
- Torrey, John, 1796–1873, *American botanist.***
 American Academy of Arts and Sciences. Proceedings. 1873. v.9,
 p.262–271.....qr 506 A5122p v.9
 American journal of science. 1873. v.105, p.411–421..r 505 A51 v.105
 Gray. Scientific papers. 1889. v.2, p.359–369.....580.4 G81s v.2
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.1, p.265–276.....r 925 N15 v.1

- Torrey, John**—*continued*.
 Popular science monthly. 1873. v.3, p.632-638.....r 505 P81 v.3
 Smithsonian Institution. Annual report. 1873. v.28,
 p.211-218.....r 506 S66 v.28
 Youmans. Pioneers of science in America. 1896. p.327-335..925 Y35
- Totten, Joseph Gilbert, 1788-1864, American military engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.525-527.....r 620.5 A51 v.36
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.1, p.35-97.....r 925 N15 v.1
 Smithsonian Institution. Annual report. 1865. v.20,
 p.137-172.....r 506 S66 v.20
- Toucey, John Montgomery, 1829-98, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.644-645.....r 620.5 A51 v.45
- Tower, Ashley Bemis, 1847-1901, American engineer.**
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.361-362.....r 620.5 A51 v.49
- *Toynbee, Joseph, 1815-66, English aural surgeon.**
 Bettany. Eminent doctors. 1885. v.2, p.272-277.....926.1 B46 v.2
 Royal Society of London. Proceedings. 1868. v.16,
 p.xlvii-xlix.....r 506 R81pr v.16
- Tracy, Edward H. 1817-75, American engineer.**
 American Society of Civil Engineers. Proceedings. 1875. v.1,
 p.337-338.....r 620.6 A51p v.1
- Tracy, John F. 1827-78, American engineer.**
 American Society of Civil Engineers. Proceedings. 1878. v.4,
 p.71-74.....r 620.6 A51p v.4
- Traquair, Ramsay Heatley, 1840-1912, Scottish ichthyologist.**
 Nature. 1912. v.90, p.363-364.....qr 505 N15 v.90
- *Travers, Benjamin, 1783-1858, English surgeon.**
 Royal Society of London. Proceedings. 1858. v.9,
 p.551-555.....r 506 R81pr v.9
- Trembley, Abraham, 1700-84, Swiss naturalist.**
 Miall. Early naturalists. 1912. p.279-284.....925.7 M66
- Tresea, Henri, 1814-85, French mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1885.
 v.6, p.873-875.....r 621.05 A5123 v.6
- *Trevithick, Richard, 1771-1833, English mechanical engineer.**
 Layson. Great engineers. p.233-268.....926 L44
- *Trimen, Henry, 1843-96, English botanist.**
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.161-165.....r 506 R81pr v.75
- Trippel, Alexander, 1827-96, Swiss-American metallurgist.**
 American Institute of Mining Engineers. Transactions. 1897. v.27,
 p.238-243.....r 622.05 A51 v.27

- *Tristram, Henry Baker, 1822–1906, *English ornithologist.***
 Royal Society of London. Proceedings. 1908. v.80B,
 p.XLII–XLIV.....r 506 R81pr v.80B
- Troost, Gerard, 1776–1850, *Dutch-American geologist.***
 Popular science monthly. 1894. v.45, p.258–264.....r 505 P81 v.45
 Youmans. Pioneers of science in America. 1896. p.119–127..925 Y35
- Trowbridge, John, b. 1843, *American physicist.***
 Popular science monthly. 1885. v.26, p.836–839.....r 505 P81 v.26
- Trowbridge, William Petit, 1828–92, *American engineer.***
 American Academy of Arts and Sciences. Proceedings. 1893. v.28,
 p.398–401.....qr 506 A5122p v.28
 American Society of Mechanical Engineers. Transactions. 1892.
 v.13, p.684–686.....r 621.05 A5123 v.13
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.3, p.363–367.....r 925 N15 v.3
- Truesdell, Charles, 1833–94, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.585–586.....r 620.5 A51 v.36
- Tuckerman, Edward, 1817–86, *American botanist.***
 American Academy of Arts and Sciences. Proceedings. 1886. v.21,
 p.539–547.....qr 506 A5122p v.21
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.3, p.15–28.....r 925 N15 v.3
- Tulloch, Alonzo J. 1854–1904, *American engineer.***
 American Society of Civil Engineers. Transactions. 1905. v.54,
 pt.7, p.535–536.....r 620.5 A51 v.54, pt.7
- Tunner, Peter, ritter von, 1809–97, *German metallurgist.***
 American Institute of Mining Engineers. Transactions. 1897. v.27,
 p.444–452.....r 622.05 A51 v.27
- *Turner, William, 1501?–68, *English naturalist.***
 Miall. Early naturalists. 1912. p.76–78.....925.7 M66
- Turner, Willis Tubbs, 1869–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1195–1196.....r 620.5 A51 v.75
- Tutton, Charles Harold, 1851–1908, *American engineer.***
 American Society of Civil Engineers. Transactions. 1909. v.62,
 p.560–561.....r 620.5 A51 v.62
- *Tweeddale, Arthur Hay, marquis of, 1824–78, *English ornithologist.***
 Royal Society of London. Proceedings. 1879. v.29,
 p.XXV–XXVII.....r 506 R81pr v.29
- Tylor, Sir Edward Burnett, b. 1832, *English anthropologist.***
 Popular science monthly. 1884. v.26, p.264–266.....r 505 P81 v.26
- *Tyndall, John, 1820–93, *English physicist.***
 Dublin University magazine. 1877. v.89, p.30–44.....r 052 D85 v.89
 Eminent persons. v.6, p.79–85.....920 E588 v.6

***Tyndall, John—continued.**

- Fiske. *Essays, historical and literary.* 1902. v.2, p.241–248.....904 F54 v.2
 Jeans. *Lives of the electricians.* 1887. p.1–104.....925 J22
 Nature. 1874. v.10, p.299–302.....qr 505 N15 v.10
 Popular science monthly. 1872. v.2, p.103–109.....r 505 P81 v.2
 Royal Society of London. *Proceedings.* 1894. v.55, p.xviii–xxxiv.....r 506 R81pr v.55
 Smalley. *Studies of men.* 1895. p.167–179.....920 S63
Tyson, James Wood, 1827–1900, American metallurgist.
 American Institute of Mining Engineers. *Transactions.* 1901. v.31, p.118–121.....r 622.05 A51 v.31
Valentinus, Basilius, fl. 15th cent., German chemist.
 Walsh. *Catholic churchmen in science.* 1906. v.1, p.45–75.....509 W18 v.1
Van der Hoek, Jacobus. See Hoek, Jacobus van der.
Vanuxem, Lardner, 1792–1848, American geologist.
 Popular science monthly. 1895. v.46, p.833–840.....r 505 P81 v.46
 Youmans. *Pioneers of science in America.* 1896. p.270–278..925 Y35
Vasey, George, 1822–93, English botanist.
 American Academy of Arts and Sciences. *Proceedings.* 1893. v.28, p.401–403.....qr 506 A5122p v.28
Vaughan, Frederic Willis, 1844–87, American engineer.
 American Society of Civil Engineers. *Proceedings.* 1889. v.15, p.44–46.....r 620.6 A51p v.15
Vaughn, Clarence George, 1853–1908, American engineer.
 American Society of Civil Engineers. *Transactions.* 1909. v.62, p.562–563.....r 620.5 A51 v.62
Venturi, Giovanni Battista, Italian engineer.
 Kent. *An appreciation of two great workers in hydraulics.* 1912.qr 926 K19
Vermuyden, Sir Cornelius, 1595?–1683? Dutch engineer.
 Smiles. *Lives of the engineers.* 1874. v.1, p.19–47.....926 S64l v.1
Verneuil, Philippe Édouard Pouilletier de, 1805–73, French geologist.
 American journal of science. *1873. v.106, p.279–284..r 505 A51 v.106
 Royal Society of London. *Proceedings.* 1875. v.23, p.xviii–xx.....r 506 R81pr v.23
Vesalius, Andreas, 1514–64, Belgian physiologist.
 Foster. *Lectures on the history of physiology.* 1901. p.1–24.612.09 F81
 Fraser's magazine. 1853. v.48, p.539–550.....r 052 F88 v.48
 Stirling. *Some apostles of physiology.* 1902. p.2–5....qr 926.1 S86
***Vignoles, Charles Blacker, 1793–1875, English engineer.**
 Nature. 1875. v.13, p.73.....qr 505 N15 v.13
Virchow, Rudolf, 1821–1902, German pathologist.
 Nature. 1902. v.66, p.551–552.....qr 505 N15 v.66

Virchow, Rudolf—continued.

- North American review. 1902. v.175, p.613-624.....r 501 N45 v.175
* Popular science monthly. 1882. v.21, p.836-842.....r 505 P81 v.21
Royal Society of London. Proceedings. 1904-05. v.75,
p.297-300.....r 506 R81pr v.75
Smithsonian Institution. Annual report. 1902. v.57, pt.1, p.641-
659.....r 506 S66 v.57, pt.1
Voelcker, John Christopher, 1822-84, German chemist.
Royal Society of London. Proceedings. 1885. v.38,
p.xviii-xxiii.....r 506 R81pr v.38
Vogt, Karl, 1817-95, German zoölogist.
Nature. 1895. v.52, p.108-110.....qr 505 N15 v.52
Popular science monthly. 1897. v.52, p.116-122.....r 505 P81 v.52
Volpicelli, Paolo, 1804-79, Italian physicist.
Nature. 1879. v.20, p.126-127.....qr 505 N15 v.20
Volta, Alessandro, conte, 1745-1827, Italian electrician.
Munro. Pioneers of electricity. 1890. p.89-102.....925 M96p
Popular science monthly. 1892. v.41, p.117-122.....r 505 P81 v.41
Potamian. Makers of electricity. 1909. p.162-187.....925 P84
Smithsonian Institution. Annual report. 1875. v.30,
p.115-141.....r 506 S66 v.30
Vulpian, Edme Félix Alfred, 1826-87, French physiologist.
Popular science monthly. 1888. v.34, p.262-266.....r 505 P81 v.34
Wagner, Johannes Rudolf von, 1822-80, German chemist.
Nature. 1880. v.23, p.11-12.....qr 505 N15 v.23
Waite, Christopher Champlin, 1843-96, American engineer.
American Society of Civil Engineers. Transactions. 1902. v.49,
p.363.....r 620.5 A51 v.49
Walcott, Charles Doolittle, b. 1850, American geologist.
Popular science monthly. 1898. v.52, p.547-553.....r 505 P81 v.52
Walker, James, 1781-1862, English civil engineer.
Royal Society of London. Proceedings. 1863. v.12,
p.lxiv-lxvi.....r 506 R81pr v.12
***Walker, James Thomas, 1826-96, English geodetic surveyor.**
Royal Society of London. Proceedings. 1896. v.59,
p.xliii-xlvi.....r 506 R81pr v.59
Walker, John James, 1825-1900, English mathematician.
Royal Society of London. Proceedings. 1904-05. v.75,
p.93-94.....r 506 R81pr v.75
Walker, Sears Cook, 1805-53, American astronomer.
Popular science monthly. 1894. v.46, p.116-121.....r 505 P81 v.46
Youmans. Pioneers of science in America. 1896. p.428-435..925 Y35
Walker, William Williams, 1834-93, American engineer.
American Society of Civil Engineers. Proceedings. 1893. v.19,
p.174-175.....r 620.6 A51p v.19

- Wallace**, Alfred Russel, 1823-1913, *English naturalist*.
 Clodd. *Pioneers of evolution*. 1897. p.124-144.....r 925 C6r
 Nature. 1912. v.89, p.367-370.....qr 505 N15 v.89
 Wallace. *My life; a record of events and opinions*. 2v.
 1905.92 W175
- *Waller**, Augustus Volney, 1816-70, *English physiologist*.
 Royal Society of London. *Proceedings*. 1872. v.20,
 p.XI-XIII.....r 506 R81pr v.20
 Stirling. *Some apostles of physiology*. 1902. p.123-125..qr 926.r S86
- Wallich**, Nathaniel, 1786-1854, *Danish botanist*.
 Royal Society of London. *Proceedings*. 1854. v.7,
 p.285-288.....r 506 R81pr v.7
- Walling**, Henry Francis, 1825-88, *American engineer*.
 American Society of Civil Engineers. *Proceedings*. 1889. v.15,
 p.140-141.....r 620.6 A51p v.15
 Philosophical Society of Washington. *Bulletin*. 1888-91. v.II,
 p.492-496.....r 506 W27 v.II
- Wallis**, Gustav, 1830-78, *German botanist*.
 Popular science monthly. 1879. v.14, p.386-387.....r 505 P81 v.14
- *Walter**, John, 1776-1847, *English printer*.
 Smiles. *Men of invention and industry*. 1885. p.180-204...926 S64
- *Ward**, Harry Marshall, 1854-1906, *English botanist*.
 Nature. 1906. v.74, p.493-495.....qr 505 N15 v.74
 Oliver. *Makers of British botany*. 1913. p.261-279.....925.8 O23
 Royal Society of London. *Proceedings*. 1910-II. v.83B,
 p.I-XIV.....r 506 R81pr v.83B
- *Ward**, Nathaniel Bagshaw, 1791-1868, *English botanist*.
 Gray. *Scientific papers*. 1889. v.2, p.349-350.....580.4 G81s v.2
 Royal Society of London. *Proceedings*. 1870. v.18,
 p.II-IV.....r 506 R81pr v.18
- Wardlaw**, James Robert, 1856-91, *American engineer*.
 American Society of Civil Engineers. *Proceedings*. 1892. v.18,
 p.96-97.....r 620.6 A51p v.18
- Ware**, Charles Eliot, 1814-87, *American physician*.
 American Academy of Arts and Sciences. *Proceedings*. 1888. v.23,
 p.346-347.....qr 506 A5122p v.23
- *Warington**, Robert, 1807-67, *English chemist and pharmacist*.
 Royal Society of London. *Proceedings*. 1868. v.16,
 p.XLIX-L.....r 506 R81pr v.16
- *Warington**, Robert, 1838-1907, *English chemist and pharmacist*.
 Royal Society of London. *Proceedings*. 1908. v.80B,
 p.XV-XXIV.....r 506 R81pr v.80B
- Warren**, Cyrus Moors, 1824-91, *American chemist*.
 American Academy of Arts and Sciences. *Proceedings*. 1892. v.27,
 p.391-403.....qr 506 A5122p v.27

- Warren**, Gouverneur Kemble, 1830–82, *American engineer*.
National Academy of Sciences. Biographical memoirs. 1877–1909.
v.2, p.173–188.....r 925 N15 v.2
- *Washington**, John, 1800–63, *English hydrographer*.
Royal Society of London. Proceedings. 1864. v.13,
p.vii–viii.....r 506 R81pr v.13
- Waterhouse**, John, 1806–79, *English meteorologist*.
Royal Society of London. Proceedings. 1879. v.29,
p.xxvii–xxviii.....r 506 R81pr v.29
- *Watson**, Henry William, 1827–1903, *English mathematician and physicist*.
Royal Society of London. Proceedings. 1904–05. v.75,
p.266–269.....r 506 R81pr v.75
- Watson**, James Craig, 1838–80, *American astronomer*.
American Academy of Arts and Sciences. Proceedings. 1881. v.16,
p.457–458.....qr 506 A5122p v.16
American journal of science. 1881. v.121, p.62–65.....r 505 A51 v.121
National Academy of Sciences. Biographical memoirs. 1877–1909.
v.3, p.43–57.....r 925 N15 v.3
Popular science monthly. 1881. v.19, p.693–696.....r 505 P81 v.19
- Watson**, Sereno, 1826–92, *American botanist*.
American Academy of Arts and Sciences. Proceedings. 1892. v.27,
p.403–416.....qr 506 A5122p v.27
National Academy of Sciences. Biographical memoirs. 1877–1909.
v.5, p.267–290.....r 925 N15 v.5
- *Watson**, Sir Thomas, 1792–1882, *English physician*.
Bettany. Eminent doctors. 1885. v.2, p.148–155.....926.1 B46 v.2
Royal Society of London. Proceedings. 1885. v.38,
p.v–ix.....r 506 R81pr v.38
- Watson**, William Parsons, 1850–1912, *American engineer*.
American Society of Civil Engineers. Transactions. 1912. v.75,
p.1184–1185.....r 620.5 A51 v.75
- Watson**, William Stuart, b. 1827, *Scottish-American civil engineer*.
Stuart. Lives and works of civil and military engineers of America.
1871. p.293–300.....r 926 S92
- *Watt**, James, 1736–1819, *Scottish engineer*.
Arago. Biographies of distinguished scientific men. 1857.
p.519–607.....r 925 A65
Brougham. Lives of men of letters and science. 1845–46. v.1,
p.352–401.....qr 928 B77 v.1
Carnegie. James Watt. 1905.....92 W325c
The same.....r 92 W325c
Howe. Lives of eminent mechanics. 1857. p.279–298.....926 H85
Muirhead. Life of James Watt. 1859.....r 92 W325m
Muirhead. Origin and progress of the mechanical inventions of
James Watt, illustrated by his correspondence with his friends and the
specifications of his patents. 3v. 1854.....r 92 W325mu

***Watt, James—continued.**

- Nicoll. Great movements and those who achieved them. 1882.
p.396-411.920 N32
Smiles. Lives of the engineers. 1874. v.4, p.3-409....926 S64l v.4
- Weber, Christian Philipp Max Maria, freiherr von. See Weber, Max Maria, freiherr von.**
- Weber, Ernst Heinrich, 1795-1878, German physiologist.**
Royal Society of London. Proceedings. 1879. v.29,
p.xxviii-xxxii.r 506 R81pr v.29
Stirling. Some apostles of physiology. 1902. p.88-90..qr 926.I S86
- Weber, Max Maria, freiherr von, 1822-81, German engineer.**
American Society of Civil Engineers. Proceedings. 1882. v.8,
p.89-91.....r 620.6 A51p v.8
- Weber, Wilhelm Eduard, 1804-91, German electrician.**
American Academy of Arts and Sciences. Proceedings. 1892. v.27,
p.449-450.....qr 506 A5122p v.27
Popular science monthly. 1892. v.40, p.548-553.....r 505 P81 v.40
- Wedding, Hermann, 1834-1908, German metallurgist.**
American Institute of Mining Engineers. Transactions. 1909. v.40,
p.538-542.....r 622.05 A51 v.40
- Weeks, Joseph Dame, 1840-96, American scientist and statistician.**
American Institute of Mining Engineers. Transactions. 1897. v.27,
p.231-238.....r 622.05 A51 v.27
- Weierstrass, Karl Theodor Wilhelm, 1815-97, German mathematician.**
Poincaré. Savants et écrivains. p.201-212.....925 P74
- Welch, Ashbel, 1809-82, American engineer.**
American Society of Civil Engineers. Proceedings. 1883. v.9,
p.137-144.....r 620.6 A51p v.9
- Weld, Frederick Floyd, 1850-90, American engineer.**
American Society of Civil Engineers. Proceedings. 1891. v.17,
p.203-205.....r 620.6 A51p v.17
- *Weldon, Walter, 1832-85, English industrial chemist.**
Royal Society of London. Proceedings. 1889. v.46,
p.xix-xxiv.....r 506 R81pr v.46
- *Weldon, Walter Frank Raphael, 1860-1906, English zoölogist.**
Royal Society of London. Proceedings. 1908. v.80B,
p.xxv-xli.....r 506 R81pr v.80B
- Wellington, Arthur Mellen, 1847-95, American engineer.**
American Society of Civil Engineers. Proceedings. 1895. v.21,
p.199-202.....r 620.6 A51p v.21
- Wells, Daniel L. 1821-84, American engineer.**
American Society of Civil Engineers. Proceedings. 1885. v.11,
p.132-133.....r 620.6 A51p v.11
- *Wells, Sir Thomas Spencer, 1818-97, English physician.**
Betany. Eminent doctors. 1885. v.2, p.105-117.....926.I B46 v.2

- *Welsh, John, 1824–59, *Scottish meteorologist.***
 Royal Society of London. Proceedings. 1859. v.10,
 p.xxxiv–xxxviii.....r 506 R81pr v.10
- Welwitsch, Frederik, 1804–72, *German botanist.***
 Gray. Scientific papers. 1889. v.2, p.358.....580.4 G81s v.2
- Werner, Abraham Gottlob, 1749–1817, *German geologist and mineralogist.***
 Geikie. Founders of geology. 1905. p.201–236.....550.9 G28
- *Wharton, Sir William James Lloyd, 1843–1905, *English hydrographer.***
 Royal Society of London. Proceedings. 1906. v.78A,
 p.xliv–xlx.....r 506 R81pr v.78A
- Wheatland, Henry, 1812–93, *American naturalist.***
 American Academy of Arts and Sciences. Proceedings. 1896. v.31,
 p.363–367.....qr 506 A5122p v.31
- *Wheatstone, Sir Charles, 1802–75, *English physicist.***
 Eminent persons. 1892. v.1, p.308–310.....920 E588 v.1
 Jeans. Lives of the electricians. 1887. p.105–230.....925 J22
 Munro. Heroes of the telegraph. 1891. p.25–42.....925 M96
 Nature. 1876. v.13, p.501–502.....qr 505 N15 v.13
 Popular science monthly. 1876. v.8, p.363–365.....r 505 P81 v.8
 Royal Society of London. Proceedings. 1876. v.24,
 p.xvi–xxvii.....r 506 R81pr v.24
- *Whewell, William, 1794–1866, *English physicist and philosopher.***
 Eclectic magazine. 1866. v.66, p.750–756.....r 051 E25 v.66
 Royal Society of London. Proceedings. 1868. v.16,
 p.li–lxi.....r 506 R81pr v.16
- Whipple, Squire, 1804–88, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.527–530.....r 620.5 A51 v.36
- White, Canvass, 1790–1834, *American civil engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.74–90.....r 926 S92
- White, George Howard, 1851–1911, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1186–1187.....r 620.5 A51 v.75
- *White, Gilbert, 1720–93, *English naturalist.***
 White, R. Holt-. Life and letters of Gilbert White of Selborne. 2v.
 1901.92 W633w
- White, William Howard, 1847–95, *American engineer.***
 American Society of Civil Engineers. Transactions. 1901. v.45,
 p.635–636.....r 620.5 A51 v.45
- *Whitehurst, John, 1713–88, *English horologist.***
 Howe. Lives of eminent mechanics. 1857. p.342–346.....926 H85
- Whitelaw, John, 1831–92, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.191–192.....r 620.6 A51p v.18

- Whitfield, Robert Parr, 1828–1909, *American geologist.***
 American museum journal. v.10, p.119–121.....qr 570.7 A51 v.10
- Whitford, Oscar F. 1833–1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1902. v.49,
 p.364–365.....r 620.5 A51 v.49
- Whiting, Harold, 1855–95, *American physicist.***
 American Academy of Arts and Sciences. Proceedings. 1896. v.31,
 p.356–358.....qr 506 A5122p v.31
- Whitney, Eli, 1765–1825, *American inventor.***
 Howe. Lives of eminent mechanics. 1857. p.101–135.....926 H85
 Hubert. Inventors. 1893. p.69–98.....926 H87
 Iles. Leading American inventors. 1912. p.75–103.....926 I22
- Whitney, Josiah Dwight, 1819–96, *American geologist.***
 Brewster. Life and letters of Josiah Dwight Whitney. 1909..92 W6532ab
- Whittemore, Amos, 1759–1828, *American inventor.***
 Howe. Lives of eminent mechanics. 1857. p.147–155.....926 H85
- *Whitworth, Sir Joseph, 1803–87, *English mechanical engineer.***
 Eminent persons. 1893. v.4, p.10–16.....920 E588 v.4
 Jeans. Creators of the age of steel. 1884. p.213–268.....926 J22
 Popular science monthly. 1888. v.32, p.550–553.....r 505 P81 v.32
 Royal Society of London. Proceedings. 1887. v.42,
 p.IX–XI.....r 506 R81pr v.42
- Wiedemann, Gustav Heinrich, 1826–98, *German physicist.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.41–43.....r 506 R81pr v.75
- *Wight, Robert, 1796–1872, *English botanist.***
 Gray. Scientific papers. 1889. v.2, p.356–357.....580.4 G81s v.2
- Wilkins, George Shreve, 1868–1910, *American engineer.***
 American Society of Civil Engineers. Transactions. 1912. v.75,
 p.1197.....r 620.5 A51 v.75
- *Wilkinson, John, 1728–1808, *English iron manufacturer.***
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der
 technik und industrie. 1909. v.3, p.215–238.....qr 609 V27 v.3
- Willard, James Eager, 1832–1909, *American engineer.***
 American Society of Civil Engineers. Transactions. 1911. v.71,
 p.445–447.....r 620.5 A51 v.71
- *Williams, Charles James Blasius, 1805–89, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.178–188.....926.1 B46 v.2
 Royal Society of London. Proceedings. 1889. v.46,
 p.xxvi–xxxii.....r 506 R81pr v.46
- Williams, George Huntington, 1856–94, *American geologist.***
 Geological Society of America. Bulletin. 1895. v.6,
 p.432–440.....qr 550.5 B87 v.6
- Williams, Greville, 1829–1910, *English chemist.***
 Royal Society of London. Proceedings. 1911. v.85A,
 p.xvii–xx.....r 506 R81pr v.85A

- Williams, Jesse Lynch, 1807-86, *American railroad engineer.***
 Stuart. Lives and works of civil and military engineers of America.
 871. p.141-169.....r 926 S92
- Williams, John Francis, 1862-91, *American geologist.***
 Geological Society of America. Bulletin. 1892. v.3,
 p.455-458.....qr 550.5 B87 v.3
- Williams, William Mattieu, 1820-92, *English chemist.***
 Popular science monthly. 1894. v.45, p.548-552.....r 505 P81 v.45
- Williamson, Alexander William, 1824-1904, *English chemist.***
 Nature. 1904. v.70, p.32-34.....qr 505 N15 v.70
 Roberts. Famous chemists. 1911. p.185-192.....925.4 R53
 Royal Society of London. Proceedings. 1906. v.78A,
 p.xxiv-xliv.....r 506 R81pr v.78A
- Williamson, William Crawford, 1816-95, *English naturalist.***
 Nature. 1895. v.52, p.441-443.....qr 505 N15 v.52
 Oliver. Makers of British botany. 1913. p.243-260.....925.8 O23
 Royal Society of London. Proceedings. 1897. v.60,
 p.xxvii-xxxii.....r 506 R81pr v.60
- Williamson, William Garnett, 1840-98, *American engineer.***
 American Society of Civil Engineers. Transactions. 1899. v.41,
 p.645-646.....r 620.5 A51 v.41
- Willughby, Francis, 1635-72, *English naturalist.***
 Miall. Early naturalists. 1912. p.99-130.....925.7 M66
- Wilson, Alexander, 1766-1813, *Scottish-American ornithologist.***
 Jordan. Leading American men of science. 1910. p.51-69..925 J42
 Ord. Sketch of the life of Alexander Wilson. 1828....qr 92 W7660
 Peabody. Life of Wilson. (In Sparks. Library of American biog-
 raphy, v.2, p.1-169.).....r 920 S73 v.2
 The same. (In Sparks. Library of American biography, v.2, p.1-
 169.).....920 S73 v.2
 Popular science monthly. 1890. v.36, p.400-407.....r 505 P81 v.36
 Youmans. Pioneers of science in America. 1896. p.90-99..925 Y35
- Wilson, Arthur Owen, 1854-91, *English engineer.***
 American Society of Civil Engineers. Proceedings. 1892. v.18,
 p.131-133.....r 620.6 A51p v.18
- Wilson, George Fergusson, 1822-1902, *English chemist and horticulturist.***
 Royal Society of London. Proceedings. 1904-05. v.75,
 p.183-184.....r 506 R81pr v.75
- Wilson, John Allston, 1837-96, *American engineer.***
 American Society of Civil Engineers. Transactions. 1896. v.36,
 p.588-589.....r 620.5 A51 v.36
- Wilson, Joseph Miller, 1838-1902, *American engineer.***
 American Society of Civil Engineers. Transactions. 1903. v.50,
 p.504-506.....r 620.5 A51 v.50

- *Wilson, William Edward, 1851–1908, *English astronomer.***
 Royal Society of London. Proceedings. 1909–10. v.83A,
 p.III–VII. r 506 R81pr v.83A
- Wilson, William Hasell, 1811–1902, *American railroad engineer.***
 Wilson. Reminiscences of a railroad engineer. 1896. r 92 W773
The same. 1896. 92 W773
- *Wilson, Sir William James Erasmus, 1809–84, *English physician.***
 Bettany. Eminent doctors. 1885. v.2, p.240–249. 926.1 B46 v.2
- Wilson, William Willard, 1841–87, *American engineer.***
 American Society of Civil Engineers. Proceedings. 1887. v.13,
 p.40–41. r 620.6 A51p v.13
- *Wimshurst, James, 1832–1903, *English electrical engineer.***
 Royal Society of London. Proceedings. 1904–05. v.75,
 p.300–301. r 506 R81pr v.75
- Winchell, Alexander, 1824–91, *American geologist.***
 Geological Society of America. Bulletin. 1892. v.3,
 p.3–13. qr 550.5 B87 v.3
 Popular science monthly. 1892. v.41, p.837–843. r 505 P81 v.41
- Winlock, Joseph, 1826–75, *American astronomer.***
 American Academy of Arts and Sciences. Proceedings. 1876. v.II,
 p.339–350. qr 506 A5122p v.II
 National Academy of Sciences. Biographical memoirs. 1877–1909.
 v.I, p.329–343. r 925 N15 v.I
 Nature. 1875. v.12, p.191–192. qr 505 N15 v.12
- Winlock, William Crawford, 1859–96, *American astronomer.***
 Philosophical Society of Washington. Bulletin. 1897. v.13, p.431–
 434. r 506 W27 v.13
- Winthrop, John, 1714–79, *American astronomer.***
 Popular science monthly. 1891. v.39, p.837–842. r 505 P81 v.39
 Youmans. Pioneers of science in America. 1896. p.40–46. . 925 Y35
- Wislicenus, Johannes, 1835–1902, *German chemist.***
 Nature. 1903. v.67, p.228–229. qr 505 N15 v.67
 Royal Society of London. Proceedings. 1906. v.78A,
 p.III–XII. r 506 R81pr v.78A
- Wöhler, Friedrich, 1800–82, *German chemist.***
 American Academy of Arts and Sciences. Proceedings. 1883. v.18,
 p.463–465. qr 506 A5122p v.18
 Berzelius & Wöhler. Briefwechsel zwischen J. Berzelius und F.
 Wöhler, mit einem kommentar von J. von Braun; hrsg. von O. Wal-
 lach. 2v. 1901. r 540.4 B46
 Popular science monthly. 1880. v.17, p.539–551. r 505 P81 v.17
 Roberts. Famous chemists. 1911. p.121–125. 925.4 R53
 Royal Society of London. Proceedings. 1883. v.35,
 p.XII–XX. r 506 R81pr v.35
 Thorpe. Essays in historical chemistry. 1894. p.236–257. . 925.4 T41

- Wolf, Rudolf Ernst, 1831-1910, German mechanical engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der technik. v.4, p.1-26.....qr 609 V27 v.4
- Wolff, Alfred R. 1859-1909, American mechanical engineer.**
 American Society of Mechanical Engineers. Transactions. 1909. v.31, p.1055-1057.....r 621.05 A5123 v.31
- Wood, Charles, 1862-95, Scottish engineer.**
 American Society of Civil Engineers. Transactions. 1896. v.36, p.591-593.....r 620.5 A51 v.36
- Wood, Charles Widney, 1863-1911, American engineer.**
 American Society of Civil Engineers. Transactions. 1911. v.74, p.522.....r 620.5 A51 v.74
- Wood, De Volson, 1832-97, American engineer.**
 American Society of Mechanical Engineers. Transactions. 1897. v.18, p.1106-1109.....r 621.05 A5123 v.18
- Wood, George B. 1797-1879, American physician.**
 American Philosophical Society. Proceedings. 1880. v.19, p.118-52.....r 506 A512 v.19
- Wood, Nicholas, 1795-1865, English engineer.**
 Royal Society of London. Proceedings. 1868. v.16, p.LXI-LXIII.....r 506 R81pr v.16
- Woodcroft, Bennet, 1803-79, English inventor.**
 Royal Society of London. Proceedings. 1879. v.29, p.LXXXII-LXXXIV.....r 506 R81pr v.29
- Woodward, Joseph Janvier, 1833-84, American surgeon.**
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.2, p.295-307.....r 925 N15 v.2
- Woollard, George Clifton, 1879-1905, American engineer.**
 American Society of Civil Engineers. Transactions. 1905. v.55, p.456-457.....r 620.5 A51 v.55
- Worcester, Edward Somerset, marquis of, 1601-67, English inventor.**
 Dircks. Life, times and scientific labours of the second marquis of Worcester, to which is added a reprint of his Century of inventions, 1663, with a commentary thereon. 1865.....r 92 W889d
 Howe. Lives of eminent mechanics. 1857. p.230-237.....926 H85
- Worthen, Amos Henry, 1813-88, American geologist.**
 National Academy of Sciences. Biographical memoirs. 1877-1909. v.3, p.339-362.....r 925 N15 v.3
- Worthington, William Ezra, 1819-97, American engineer.**
 American Society of Civil Engineers. Transactions. 1898. v.40, p.565-567.....r 620.5 A51 v.40
- Worthington, Henry Rossiter, 1817-80, American engineer.**
 Verein Deutscher Ingenieure, Berlin. Beiträge zur geschichte der technik und industrie. 1909. v.1, p.36-52.....qr 609 V27 v.1

- Wright, Albert Allen, 1846-1905, American geologist.**
 Geological Society of America. Bulletin. 1907. v.17,
 p.687-690.....qr 550.5 B87 v.17
- Wright, Benjamin, 1770-1842, American civil engineer.**
 Stuart. Lives and works of civil and military engineers of America.
 1871. p.48-73.....r 926 S92
- Wright, Charles, 1811-86, American botanist.**
 Gray. Scientific papers. 1889. v.2, p.468-474.....580.4 G818 v.2
- Wright, Charles Romley Alder, 1844-94, English chemist.**
 Royal Society of London. Proceedings. 1895. v.57,
 p.v-vii.....r 506 R81pr v.57
- Wright, George Frederick, b. 1838, American geologist.**
 Popular science monthly. 1892. v.42, p.258-262.....r 505 P81 v.42
- Wright, Horatio Gouverneur, 1820-99, American engineer.**
 American Society of Civil Engineers. Transactions. 1901. v.46,
 p.551-554.....r 620.5 A51 v.46
- Wright, William Wierman, 1824-82, American engineer.**
 American Society of Civil Engineers. Proceedings. 1882. v.8,
 p.119-120.....r 620.6 A51p v.8
- *Wrottesley, Sir John, 1798-1867, English astronomer.**
 Royal Society of London. Proceedings. 1868. v.16,
 p.lxiii-lxiv.....r 506 R81pr v.16
- Wurtz, Charles Adolphe, 1817-84, French chemist.**
 American Academy of Arts and Sciences. Proceedings. 1884. v.19,
 p.568-570.....qr 506 A5122p v.19
 Nature. 1884. v.30, p.170-172.....qr 505 N15 v.30
 Popular science monthly. 1882. v.22, p.114-119.....r 505 P81 v.22
 Royal Society of London. Proceedings. 1885. v.38,
 p.xxiii-xxxiv.....r 506 R81pr v.38
- Wyman, Jeffries, 1814-74, American anatomist.**
 American Academy of Arts and Sciences. Proceedings. 1875. v.10,
 p.496-505.....qr 506 A5122p v.10
 Atlantic monthly. 1874. v.34, p.611-623.....r 051 A88 v.34
 Gray. Scientific papers. 1889. v.2, p.377-400.....580.4 G818 v.2
 Jordan. Leading American men of science. 1910. p.171-
 209.925 J42
 National Academy of Sciences. Biographical memoirs. 1877-1909.
 v.2, p.75-126.....r 925 N15 v.2
 Popular science monthly. 1875. v.6, p.355-360.....r 505 P81 v.6
- *Yarranton, Andrew, 1616-84? English engineer and agriculturist.**
 Smiles. Industrial biography. 1889. p.60-76.....926 S64i
- Yeatman, Henry Clay, 1866-96, American engineer.**
 American Society of Civil Engineers. Transactions. 1898. v.40,
 p.579-580.....r 620.5 A51 v.40

- Yorke**, Edward, 1835-84, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1885. v.11,
 p.124-126.....r 620.6 A51p v.11
- Youmans**, Edward Livingston, 1821-87, *American scientist*.
 Fiske. Edward Livingston Youmans. 1894.....92 Y35f
 Popular science monthly. 1887. v.30, p.688-697.....r 505 P81 v.30
- Young**, Charles Augustus, 1834-1908, *American astronomer*.
 Popular science monthly. 1881. v.19, p.840-842.....r 505 P81 v.19
- Young**, Eddy Elbert, 1865-1906, *American engineer*.
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.551-553.....r 620.5 A51 v.58
- *Young**, Thomas, 1773-1829, *English physician and physicist*.
 Crew. Wave theory of light. 1900. p.77-78.....535.I C88
 Smithsonian Institution. Annual report. 1869. v.24,
 p.III-144.....r 506 S66 v.24
 Stirling. Some apostles of physiology. 1902. p.78-82..qr 926.I S86
 Tyndall. New fragments. 1892. p.248-306.....504 T98
- Young**, William Clark, 1799-1893, *American engineer*.
 American Society of Civil Engineers. Proceedings. 1893. v.19,
 p.192-194.....r 620.6 A51p v.19
- Zeller**, Albert Henry, 1867-1906, *American engineer*.
 American Society of Civil Engineers. Transactions. 1907. v.58,
 p.554-556.....r 620.5 A51 v.58
- Zentmayer**, Joseph, 1826-88, *German optician and maker of microscopes*.
 American Philosophical Society. Proceedings. 1893. v.31, p.358-
 364.....r 506 A512 v.31
- Zinin**, Nicholas, 1812-80, *Russian chemist*.
 Nature. 1880. v.21, p.572-573.....qr 505 N15 v.21
- Zittel**, Karl Alfred von, 1839-1904, *German geologist and paleontologist*.
 Nature. 1904. v.69, p.253-255.....qr 505 N15 v.69
 Smithsonian Institution. Annual report. 1904. v.59, pt.1, p.779-
 786.....r 506 S66 v.59, pt.1

Classified List of Names

Agriculturists

Lawes, *Sir* J. B.
Miles, Manly.
Serres, Olivier de, *seigneur du Pradel*.
Wilson, G. F.
Yarranton, Andrew.

Alchemists

Paracelsus.

Anatomists

See also Physiologists.

Acland, *Sir* H. W.
Bichat, M. F. X.
Bischoff, T. L. W. von.
Davy, John.
Fabricius, Hieronymus.
Gegenbaur, Carl.
Goodsir, John.
Grant, R. E.
Henle, F. G. J.
His, Wilhelm.
Humphry, *Sir* G. M.
Kölliker, R. A. von.
Lower, Richard.
Marshall, John.
Owen, *Sir* Richard.
Parker, W. K.
Rathke, Heinrich.
Steno, Nicolaus.
Struthers, *Sir* John.
Tiedemann, Friedrich.
Wyman, Jeffries.

Anthropologists

Beddoe, John.
Broca, Paul.
Flower, *Sir* W. H.
Galton, *Sir* Francis.
Jones, William.
Mallery, Garrick.
Montegazza, Paolo.
Morgan, L. H.
Mortillet, L. L. G. de.

Anthropologists—*continued*

Putnam, F. W.
Royer, C. A.
Schoolcraft, H. R.
Tylor, *Sir* E. B.

Astronomers

Adams, J. C.
Airy, *Sir* G. B.
Alexander, Stephen.
Arago, D. F. J.
Argelander, F. W. A.
Bache, A. D.
Bailly, J. S.
Banneker, Benjamin.
Baxendell, Joseph.
Behaim, Martin.
Bond, G. P.
Bond, W. C.
Bradley, James.
Brahe, Tycho.
Bravais, Auguste.
Brinkley, John.
Brisbane, *Sir* T. M.
Carlini, Francesco.
Caswell, Alexis.
Common, A. A.
Copernicus.
Crawford, J. L. L.
Delambre, J. B. J.
De la Rue, Warren.
Delaunay, C. E.
Draper, Henry.
Dunkin, Edward.
Ellery, R. L. J.
Encke, J. F.
Faye, H. A. É. A.
Ferguson, James.
Flamsteed, John.
Galileo.
Gilliss, J. M.
Gore, J. E.
Gould, B. A.

Astronomers—continued

Grant, Robert.
 Gyldén, J. A. H.
 Hall, Asaph.
 Halley, Edmund.
 Hamilton, *Sir* W. R.
 Hansen, P. A.
 Harkness, William.
 Harriot, Thomas.
 Herschel, A. S.
 Herschel, *Sir* J. F. W.
 Herschel, *Sir* William.
 Holden, E. S.
 Houzeau de Lehaie, J. C.
 Hubbard, J. S.
 Huggins, *Sir* William.
 Huygens, Christiaan.
 Janssen, P. J. C.
 Johnson, M. J.
 Joly, C. J.
 Keeler, J. E.
 Kepler, Johann.
 Langley, S. P.
 Laplace, P. S. *marquis* de.
 Lassell, William.
 Leverrier, U. J. J.
 Littrow, C. L. von.
 Loewy, Maurice.
 Loomis, Elias.
 Lovering, Joseph.
 Lubbock, *Sir* J. W.
 Lyman, C. S.
 McClean, Frank.
 Maclear, *Sir* Thomas.
 Mitchel, O. M.
 Müller, Johann.
 Nasmyth, James.
 Newall, R. S.
 Newcomb, Simon.
 Newton, H. A.
 Olmsted, Denison.
 Peirce, Benjamin.
 Penrose, F. C.
 Perry, S. J.
 Peters, C. H. F.
 Plano, G. A. A.
 Plantamour, Émile.
 Pritchard, Charles.

Astronomers—continued

Pritchett, C. W.
 Ptolemy.
 Quetelet, L. A. J.
 Rittenhouse, David.
 Roberts, Isaac.
 Rogers, W. A.
 Rosse, Laurence Parsons, *earl of*.
 Rosse, William Parsons, *earl of*.
 Rümker, C. L. C.
 Russell, H. C.
 Rutherford, L. M.
 Safford, T. H.
 Schiaparelli, G. V.
 Schmidt, J. F.
 Schönfeld, Eduard.
 Secchi, Angelo.
 Segner, J. A.
 Sheepshanks, Richard.
 Smyth, W. H.
 South, *Sir* James.
 Stone, E. J.
 Struve, F. G. W.
 Struve, O. W.
 Thales.
 Tisserand, F. F.
 Todd, *Sir* Charles.
 Walker, S. C.
 Watson, J. C.
 Wilson, W. E.
 Winlock, Joseph.
 Winlock, W. C.
 Winthrop, John.
 Wrottesley, *Sir* John.
 Young, C. A.

Bacteriologists

Kanthack, A. A.
 Koch, Robert.
 Pasteur, Louis.
 Reed, Walter.
 Sternberg, G. M.
 Virchow, Rudolf.

Biologists

See also Zoölogists.
 Baer, K. E. von.
 Balfour, F. M.
 Bastian, H. C.
 Duclaux, Émile.

Biologists—continued

Haeckel, Ernst.
 Hancock, Albany.
 Martin, H. N.
 Mendel, G. J.
 Mivart, St. G. J.
 Parker, T. J.
 Romanes, G. J.
 Ryder, J. A.
 Schaudinn, Fritz.
 Schleiden, M. J.
 Schwann, Theodor.
 Thomson, Allen.

Botanists

Aitchison, J. E. T.
 Arnott, G. A. Walker-
 Babington, C. C.
 Baillon, H. E.
 Ball, John.
 Bartram, John.
 Bary, H. A. de.
 Bentham, George.
 Berkeley, M. J.
 Bigelow, Jacob.
 Boissier, Edmond.
 Boott, Francis.
 Brandis, *Sir* Dietrich.
 Braun, Alexander.
 Brongniart, A. T.
 Brown, Robert.
 Candolle, A. L. P. P. de.
 Candolle, A. P. de.
 Carey, John.
 Clarke, C. B.
 Clinton, G. W.
 Curtis, M. A.
 Daubeney, C. G. B.
 Decaisne, Joseph.
 Dewey, Chester.
 Dick, Robert.
 Dickie, George.
 Dillenius, J. J.
 Emerson, G. B.
 Engelmann, George.
 Falconer, Hugh.
 Fendler, Augustus.
 Fries, E. M.
 Goodale, G. L.

Botanists—continued

Gray, Asa.
 Greene, B. D.
 Griffith, William.
 Hales, Stephen.
 Haller, Albrecht von.
 Hanbury, Daniel.
 Harvey, W. H.
 Heer, Oswald.
 Henfrey, Arthur.
 Henslow, J. S.
 Hill, John.
 Hofmeister, W. F. B.
 Hooker, *Sir* J. D.
 Hooker, *Sir* W. J.
 Hosack, David.
 James, T. P.
 Kerner, Anton, *ritter von Marilau*
 King, *Sir* George.
 Koch, Karl.
 Lesquereux, Leo.
 Lindley, John.
 Linnæus, Carl von.
 Lowell, J. A.
 Marshall, Humphry.
 Martius, K. F. P. von.
 Maximowicz, C. J.
 Miers, John.
 Mohl, Hugo von.
 Morison, Robert.
 Muhlenberg, G. H. E.
 Müller, F. J. H. von.
 Nägeli, K. W. von.
 Nuttall, Thomas.
 Palmer, Edward.
 Parry, C. C.
 Pringsheim, Nathanael.
 Roeper, J. A. C.
 Royle, J. F.
 Sachs, Julius von.
 Saporta, Gaston, *marquis de*.
 Sartwell, H. P.
 Schimper, A. F. W.
 Schweinitz, L. D. von.
 Short, C. W.
 Smith, *Sir* J. E.
 Spruce, Richard.
 Strasburger, Eduard.

Botanists—continued

Sullivant, W. S.
Torrey, John.
Trimen, Henry.
Tuckerman, Edward.
Vasey, George.
Wallich, Nathaniel.
Wallis, Gustav.
Ward, H. M.
Ward, N. B.
Watson, Sereno.
Welwitsch, Frederik.
Wight, Robert.
Wright, Charles.

Chemical manufacturers

Allhusen, Christian.
Blake, J. H.
Cabot, Samuel.
Deacon, Henry.
Gamble, J. C.
Gossage, William.
Kurtz, Andreas.
Muspratt, James.
Perkin, *Sir* W. H.
Shanks, James.
Spence, Peter.

Chemists

Acheson, E. G.
Andrews, Thomas.
Antisell, Thomas.
Apjohn, James.
Avery, Charles.
Bacon, John.
Berthelot, P. E. M.
Berthollet, C. L.
Berzelius, J. J.
Black, Joseph.
Boisbaudran, Lecoq de.
Bolton, H. C.
Booth, J. C.
Boussingault, J. B.
Boyle, Robert.
Brande, W. T.
Bridges, Robert.
Bunsen, R. W.
Cannizzaro, Stanislao.
Cavendish, Henry.
Chandler, C. F.

Chemists—continued

Chevreul, M. E.
Chittenden, R. H.
Clarke, F. W.
Cook, G. H.
Cooke, J. P.
Crookes, *Sir* William.
Crum, Walter.
Dalton, John.
Dana, S. L.
Davy, *Sir* Humphry.
Despretz, C. M.
Dexter, W. P.
Divers, Edward.
Draper, J. W.
Drown, T. M.
Dudley, C. B.
Dumas, J. B. A.
Duppa, B. F.
Dupré, August.
Faraday, Michael.
Frankland, *Sir* Edward.
Frazer, J. F.
Friedel, Charles.
Fristoe, E. T.
Gadolin, Johan.
Gamgee, Arthur.
Gay-Lussac, J. L.
Genth, F. A.
Gerhardt, C. F.
Gibbs, O. W.
Gilbert, *Sir* J. H.
Gladstone, J. H.
Gore, George.
Graham, Thomas.
Hare, Robert.
Hayes, A. A.
Hill, H. B.
Hoff, J. H. van't.
Hofmann, A. W. von.
Hoppe-Seyler, Felix.
Horsford, E. N.
Johnson, P. N.
Johnson, S. W.
Joy, C. A.
Kane, *Sir* R. J.
Kekulé, F. A.
Kopp, Hermann.

Chemists—continued

Lavoisier, A. L.
Lea, M. C.
Liebig, Justus, *baron von*.
Malaguti, F. J. M.
Marignac, J. C. G. de.
Matthiessen, Augustus.
Mendeléeff, D. I.
Merrick, J. M.
Meyer, J. L.
Meyer, Victor.
Mitscherlich, Eilhardt.
Mohr, Friedrich.
Moissan, Henri.
Mond, Ludwig.
Mulder, G. J.
Nason, H. B.
Nichols, W. R.
Nilson, L. F.
Norton, L. M.
Pasteur, Louis.
Pettenkofer, Max von.
Playfair, Lyon, *baron*.
Porrett, Robert.
Priestley, Joseph.
Roebuck, John.
Rogers, J. B.
Rogers, R. E.
Roscoe, *Sir* H. E.
Rose, Heinrich.
Russell, W. J.
Sainte-Claire Deville, H. É.
Scheele, K. W.
Schönbein, C. F.
Schorlemmer, Carl.
Schunck, H. E.
Shenstone, W. A.
Silliman, Benjamin, 1779–1864.
Silliman, Benjamin, 1816–85.
Simpson, Maxwell.
Smith, J. L.
Smith, R. A.
Smithson, James.
Stahl, G. E.
Stas, J. S.
Stenhouse, John.
Stöckhardt, J. A.
Thénard, L. J. *baron*.

Chemists—continued

Thompson, C. O.
Thomsen, Julius.
Valentinus, Basilius.
Voelcker, J. C.
Wagner, J. R. von.
Warrington, Robert, 1807–67.
Warrington, Robert, 1838–1907.
Warren, C. M.
Weldon, Walter.
Williams, Greville.
Williams, W. M.
Williamson, A. W.
Wilson, G. F.
Wislicenus, Johannes.
Wöhler, Friedrich.
Wright, C. R. A.
Wurtz, C. A.
Zinin, Nicholas.

Coach-builders

Bianconi, Charles.

Conchologists

See also Naturalists.

Jeffreys, J. G.

Lea, Isaac.

Crystallographers

See also Mineralogists.

Des Cloizeaux, A. L. O. L.

Maskelyne, M. H. N. S.

Miller, W. H.

Mitscherlich, Eilhardt.

Electricians

See also Engineers, Electrical-
Magneticians.

Ampère, A. M.

Beccaria, G. B.

Cooke, *Sir* W. F.

Davenport, Thomas.

Edison, T. A.

Farmer, M. G.

Gilbert, William.

Gray, Elisha.

Green, Norvin.

Hamblet, James.

Harris, *Sir* W. S.

Hughes, D. E.

Jenkin, H. C. F.

La Rive, A. A. de.

Electricians—continued

Nollet, J. A.
Röntgen, W. C.
Salisbury, R. A. T. Gascoyne
Cecil, *marquis of*.
Schulze-Berge, Franz.
Volta, Alessandro, *conte*.
Weber, W. E.

Engineers

See also Railroad-builders.

Abbott, Job.
Abert, J. J.
Abert, S. T.
Ackenheil, Charles.
Adgate, George.
Ainsworth, D. H.
Aldrich, J. C.
Allen, Horatio.
Allen, Theodore.
Allis, E. P.
Anderson, Adna.
Ansley, G. D.
Appold, J. G.
Archbald, James.
Arrol, *Sir* William.
Aspinwall, W. H.
Atkinson, J. B.
Atwood, W. H.
Avery, John.
Bailey, G. I.
Bailey, T. N.
Baker, *Sir* Benjamin.
Baldwin, G. R.
Baldwin, H. F.
Baldwin, S. W.
Barlow, P. W.
Barnard, J. F.
Barnes, D. L.
Barnes, James.
Barriger, J. W.
Bateman, J. F.
Bates, D. S.
Bayley, G. W. R.
Becker, M. J.
Belknap, M. S.
Bell, G. J.
Bell, H. P.
Bell, J. E.

Engineers—continued

Berrian, R. M.
Bessemer, *Sir* Henry.
Biddle, W. F.
Bishop, T. S.
Blackwell, Charles.
Blaisdell, A. H.
Bogart, J. P.
Bond, F. W.
Booker, B. F.
Boulton, Matthew.
Bouscaren, L. G. F.
Breckinridge, Cabell.
Briggs, Robert.
Brinckerhoff, H. W.
Brindley, James.
Brodhead, C. E.
Brown, L. W.
Brunel, I. K.
Brunel, *Sir* M. I.
Buck, L. L.
Burns, Justin.
Burton, S. B.
Butts, E. P.
Buxton, Clifford.
Caldwell, G. B.
Caligny, A. F. Hüe, *marquis de*.
Campbell, A. J.
Campbell, Allan.
Campbell, C. E. H.
Canet, Gustave.
Carothers, D. D.
Carpenter, C. A.
Carpenter, F. R.
Cary, E. S.
Casey, T. L.
Cass, G. W.
Chanute, Octave.
Chase, W. B.
Cheney, J. E.
Chesbrough, E. S.
Church, G. E.
Cisneros, F. J.
Clapp, L. R.
Clapp, W. B.
Clarke, H. W.
Clarke, T. C.
Cleeman, T. M.

Engineers—continued

Clemens, E. V.
Cleverdon, H. L.
Cobb, R. L.
Coffin, F. C.
Colburn, Warren.
Colburn, Zerach.
Colladon, J. D.
Colman, I. D.
Comfort, S. G.
Connor, Addison.
Coode, *Sir* John.
Cooke, R. L.
Correa, E. A.
Coryell, Martin.
Covode, J. H.
Coxe, E. B.
Craighill, W. P.
Croes, J. J. R.
Crosby, Wilson.
Cunningham, J. M.
Cunningham, P. D.
Curtis, W. G.
Cushing, S. B.
Cutshaw, W. E.
Darling, E. A.
Davidson, M. O.
Davis, Charles.
Davis, F. L.
Davis, J. W.
Dawley, E. P.
Deans, C. H.
Dearborn, W. L.
Derby, George.
Dickinson, P. P.
Dillon, Sidney.
Diven, A. S.
Doane, Thomas.
Douglas, Benjamin.
Douglass, D. B.
Douglass, *Sir* J. N.
Duane, J. C.
Du Barry, J. N.
Dudley, C. T.
Dun, James.
Eads, J. B.
Earley, J. E.
Edwards, William.

Engineers—continued

Eiffel, Gustave.
Ellet, Charles.
Ellicott, Andrew.
Ellis, N. W.
Ellis, T. G.
Emery, C. E.
Emigh, J. H.
Emmet, T. A.
Emmons, C. M.
Emmons, S. F.
Engle, R. L.
Erdmann, E. E.
Eustis, H. L.
Evans, A. W. W.
Ewing, W. B.
Eyth, M. F. E. von.
Fairbairn, *Sir* William.
Falconnet, E. F.
Farnam, Henry.
Farnham, I. T.
Farquhar, F. U.
Feind, Bernhard.
Felton, S. M.
Ferrier, J. J.
Field, B. K.
Fink, Albert.
Fisher, Elstner.
Flad, Henry.
Ford, A. L.
Forrer, Samuel.
Forshey, C. G.
Fourneyron, Benoit.
Fowler, C. E.
Fowler, *Sir* John.
Francis, J. B.
Francis, James.
Frazer, J. H.
French, F. R.
Frizell, J. P.
Frost, B. D.
Fteley, Alphonse.
Fulton, Robert.
Funiak, Frederick de.
Gardner, H. A.
Gelette, W. D.
Gibbs, N. J.
Gillespie, J. L.

Engineers—continued

Gillham, Robert.
Gilliss, J. R.
Gillmore, Q. A.
Goad, C. E.
Goodwin, H. S.
Goodwin, J. M.
Gorringe, H. H.
Gottlieb, Abraham.
Gould, E. S.
Graff Frederic.
Graham, J. M.
Grant, W. H.
Grashof, Franz.
Gravatt, William.
Green, R. B.
Greene, B. H.
Greene, D. M.
Greene, G. S.
Greene, J. N.
Greenwood, W. H.
Griffen, John.
Guild, J. C.
Gzowski, *Sir* C. S.
Hadsall, J. C.
Hall, J. A.
Hanna, W. S.
Hardee, T. S.
Harding, Henry.
Harding, Horace.
Hasbrouck, C. A.
Haskell, C. F. B.
Haslett, Sullivan.
Haswell, C. H.
Hatfield, R. G.
Hawes, L. E.
Hawkins, *rving*.
Hawkshaw, *Sir* John.
Hawksley, Thomas.
Hayes, R. S.
Hegeman, A. B.
Hemming, D. W.
Henning, G. C.
Henry, D. F.
Hequembourg, C. E.
Herbert, A. P.
Hermany, Charles.
Herrmann, F. G.

Engineers—continued

Herschel, Clemens.
Hilgard, J. E.
Hillman, C. F.
Hinckley, J. F.
Hirn, G. A.
Hite-Smith, Van Dusen.
Hobby, A. S.
Hodgkinson, Eaton.
Hoek, Jacobus van der.
Hogg, J. B.
Holbrook, H. R.
Holley, A. L.
Holloway, J. F.
Holmes, E. M.
Horan, J. J.
Houston, John.
Howe, H. J.
Howell, G. W.
Humphrey, H. C.
Humphrey, John.
Humphreys, Charles.
Hunt, A. E.
Hunt, C. W.
Hunt, E. B.
Hunt, Randell.
Hutton, N. H.
Hyde, W. B.
Intze, Otto.
Irwin, R. B.
Jackson, William.
James, J. C.
Jenkin, H. C. F.
Jervis, J. B.
Johnson, C. R.
Johnson, J. B.
Johnson, W. C.
Jones, W. R.
Jordan, Gabriel.
Judah, T. D.
Keating, E. H.
Keefer, Samuel.
Kellogg, A. V.
Kenly, E. M.
Kernot, W. C.
Kerr, W. C.
Killebrew, Samuel.
Kingman, Lewis.

Engineers—continued

Kingsley, W. C.
Kirkwood, J. P.
Knaudt, Adolf.
Kneass, S. H.
Kneass, Strickland.
Knight, Jonathan.
Knight, W. B.
Knowlton, C. A.
Körting, Ernst.
Lane, Moses.
Larcom, *Sir* Thomas.
Latcha, J. A.
Latham, N. S.
Latimer, Charles.
Latrobe, B. H.
Laurie, James.
Lawson, W. B.
Leather, B. H.
Lederle, G. A.
Lesage, Louis.
Lesseps, Ferdinand, *viscomte de*.
Leverich, Gabriel.
Lewerenz, A. C.
Lewis, I. W. P.
Libby, E. D.
Lincoln, W. S.
Lindenthal, Dominik.
Linville, J. H.
Locke, A. W.
Locke, Joseph.
Loiseau, É. F.
Looker, H. B.
Loring, C. H.
Lotz, W. H.
Lovett, T. D.
Low, G. P.
Lowthorp, F. C.
McAlpine, W. J.
McCalla, R. C.
McCurdy, J. E.
McGee, V. N.
Mackall, B. F.
McKay, J. E.
McKean, Reginald.
McKeown, Thomas.
MacNaughton, James.
McRee, William.

Engineers—continued

MacRitchie, Charles.
McVean, J. J.
Malézieux, Émile.
Mallet, Robert.
Marr, G. A.
Martin, R. K.
Mason, E. D.
Matcham, C. A.
Melcher, F. O.
Mendell, G. H.
Mercur, Frederick.
Meriwether, Niles.
Merrill, W. E.
Metcalf, John.
Michie, W. R.
Miller, S. H.
Miller, Silvanus.
Mitchell, Alexander.
Mitchell, S. A.
Monroe, J. A.
Morgan, C. H.
Morison, G. S.
Morley, J. H.
Morley, W. R.
Morris, Gouverneur.
Morris, R. C.
Morse, J. O.
Murdoch, Gilbert.
Murdock, William.
Myddelton, *Sir* Hugh.
Mylne, W. C.
Neilson, Robert.
Nelles, G. T.
Newall, R. S.
Newcomen, Thomas.
Newell, John.
Newton, *Sir* Isaac.
Nichols, N. J.
Nichols, O. F.
Nichols, W. R.
Nicholson, G. B.
North, E. P.
Northrup, H. F.
Norton, F. O.
Norton, W. A.
Nourse, E. G.
Noyes, A. F.

Engineers—continued

Ogden, W. B.
Olney, La Fayette.
Olney, R. B.
Paddock, J. H.
Paine, Charles.
Paine, W. H.
Pearson, W. A.
Pennypacker, L. P.
Perry, John.
Philbrick, E. S.
Phinney, H. W. B.
Pierce, W. T.
Pike, W. A.
Poe, O. M.
Pole, William.
Poncelet, J. V.
Pope, M. S.
Pope, W. S.
Porter, C. T.
Post, J. C.
Post, S. S.
Potier, Alfred.
Potts, J. D.
Powell, C. F.
Pratt, T. W.
Prendergast, F. E.
Price, P. M.
Rafter, G. W.
Randolph, J. L.
Rankine, W. J. M.
Raymond, T. L.
Reed, E. M.
Reed, W. W.
Rees, W. M.
Reeves, S. J.
Reinholdt, K. O. P.
Reiseger, M. J.
Rendel, J. M.
Rennie, John.
Rhodes, Benjamin.
Rice, E. C.
Rich, W. W.
Richardson, H. B.
Riffle, A. S.
Riggenbach, Nikolaus.
Rinecker, Francis.
Roberts, E. P.

Engineers—continued

Roberts, W. M.
Roberts, William.
Robinson, Moncure.
Robinson, S. W.
Rogers, Fairman.
Rowe, S. M.
Rowland, T. F.
Rudloff, H. F.
Russell, N. E.
St. John, I. M.
Sample, J. H.
Scherzer, A. J.
Scherzer, William.
Schofield, M. W.
Schuyler, Howard.
Scott, W. L.
Sears, A. F.
Sears, W. H.
Seaver, J. W.
Seely, T. J.
Sellers, Coleman.
Seymour, Horatio.
Shaler, I. A.
Shima, Takejiro.
Shinn, W. P.
Shreeve, S. H.
Sickels, F. E.
Sickels, T. E.
Siemens, Sir C. W.
Simon, Sir John.
Sites, W. W. C.
Slataper, Felician.
Sloan, R. I.
Smeaton, John.
Smedley, S. L.
Smith, B. B.
Smith, C. A.
Smith, C. S.
Smith, C. V.
Smith, D. L.
Smith, F. H.
Smith, Hamilton.
Smith, I. W.
Smith, James.
Smith, T. G.
Spaulding, Ira.
Spielmann, Arthur.

Engineers—continued

Sproul, A. A.
Stanwood, J. H.
Starling, William.
Steele, H. M.
Stephenson, George.
Stephenson, Robert.
Stevens, R. L.
Stevenson, Robert.
Stewart, D. A.
Stites, A. C.
Stixrud, Martinus.
Stone, Waterman.
Stoney, B. B.
Storrow, C. S.
Stratton, F. A.
Stratton, G. D.
Striedinger, J. H.
Strobach, Paul von.
Swan, C. H.
Swift, J. G.
Swift, McRee.
Talcott, Cook.
Talcott, W. H.
Tatnall, George.
Taylor, S. M.
Taylor, W. D.
Teigen, T. W. R.
Telford, Thomas.
Thayer, W. W.
Thomas, A. T.
Thomas, G. E.
Thomas, J. R.
Thompson, J. C.
Thomson, G. H.
Thorndike, J. L.
Thorp, R. F.
Tidd, M. M.
Tingley, G. C.
Toucey, J. M.
Tower, A. B.
Tracy, E. H.
Tracy, J. F.
Trowbridge, W. P.
Truesdell, Charles.
Tulloch, A. J.
Turner, W. T.

Engineers—continued

Tutton, C. H.
Vaughan, F. W.
Vaughn, C. G.
Venturi, G. B.
Vermuyden, *Sir* Cornelius.
Vignoles, C. B.
Waite, C. C.
Walker, W. W.
Walling, H. F.
Wardlaw, J. R.
Warren, G. K.
Watson, W. P.
Watt, James.
Weber, M. M. *freiherr* von.
Welch, Ashbel.
Weld, F. F.
Wellington, A. M.
Wells, D. L.
Whipple, Squire.
White, G. H.
White, W. H.
Whitehurst, John.
Whitelaw, John.
Whitford, O. F.
Wilkins, G. S.
Willard, J. E.
Williams, J. L.
Williamson, W. G.
Wilson, A. O.
Wilson, J. A.
Wilson, J. M.
Wilson, W. W.
Wood, C. W.
Wood, Charles.
Wood, De Volson.
Wood, Nicholas.
Woollard, G. C.
Worthen, W. E.
Worthington, H. R.
Wright, H. G.
Wright, W. W.
Yarranton, Andrew.
Yeatman, H. C.
Yorke, Edward.
Young, E. E.
Young, W. C.
Zeller, A. H.

Engineers, Civil

Childe, John.
Harbach, Frederick.
Rennie, George.
Rennie, *Sir* John.
Roberts, N. S.
Roebing, J. A.
Smith, W. F.
Stevenson, Alan.
Thomson, James.
Walker, James.
Watson, W. S.
White, Canvass.
Wright, Benjamin.

Engineers, Electrical

Ayrton, W. E.
Bauer, A. H.
Craigin, H. A.
Dorr, F. H.
Eickemeyer, Rudolf.
Greene, S. D.
Hopkinson, John.
Lufkin, H. L.
Perrine, F. A. C.
Pope, F. L.
Prescott, G. B.
Reckenzaun, Anthony.
Shallenberger, O. B.
Siemens, Werner von.
Wimshurst, James.

Engineers, Mechanical

Arkwright, *Sir* Richard.
Armstrong, W. G. *baron*.
Babcock, G. H.
Bauschinger, Johann.
Bramah, Joseph.
Clark, D. K.
Clement, Joseph.
Copeland, C. W.
Crompton, Samuel.
Davis, E. F. C.
Fritz, John.
Hackworth, Timothy.
Hargreaves, James.
Harvey, H. A.
Hedley, William.
Henney, J. B.
Hirsch, Joseph.

Engineers, Mechanical—continued

Hoadley, J. C.
Hobbs, A. C.
Hohlfeld.
Locke, S. D.
Maudslay, Henry.
Murray, Matthew.
Nasmyth, James.
Nicholson, W. T.
Penn, John.
Pickering, T. R.
Reading, R. B.
Reuleaux, Franz.
Reynolds, Edwin.
Richmond, George.
Roberts, Richard.
Schneider, Eugène.
Sellers, William.
Stieltjes, Frederick.
Thurston, R. H.
Tresea, Henri.
Trevithick, Richard.
Whitworth, *Sir* Joseph.
Wolf, R. E.
Wolff, A. R.

Engineers, Military

Armstrong, R. Y.
Barnard, J. G.
Benet, S. V.
Carnot, L. N. M. *comte*.
Cullum, G. W.
Everest, *Sir* George.
Haupt, Herman.
Humphreys, A. A.
Jervois, W. F. D.
Mahan, D. H.
Malus, É. L.
Meigs, M. C.
Michaelis, O. E.
Newton, John.
Pasley, *Sir* C. W.
Portlock, J. E.
Reid, *Sir* William.
Smith, W. F.
Totten, J. G.

Engineers, Mining

Blake, W. P.
Blandy, J. F.

Engineers, Mining—continued

Bramwell, J. H.
 Collins, A. L.
 Foster, *Sir* C. L.
 Gaetzschnann, M. F.
 Gruner, Louis.
 Hague, J. D.
 Heinrich, O. J.
 Patton, W. H.
 Pettee, W. H.
 Pošepný, Franz.
 Rothwell, R. P.
 Schaufuss, E. C.
 Scranton, W. H.
 Stetefeldt, C. A.
 Taylor, John.

Engineers, Naval

Ericsson, John.
 Froude, William.
 Rodgers, John.
 Smith, David.

Entomologists

See also Naturalists.

Bonnet, Charles.
 Buckton, G. B.
 Fabre, J. H.
 Fitch, Asa.
 Frisch, J. L.
 Hagen, H. A.
 Huber, Francis.
 Le Conte, J. L.
 Lintner, J. A.
 Lyonet, Pierre.
 McLachlan, Robert.
 Müller, Fritz.
 Newport, George.
 Riley, C. V.
 Rosenhof, A. J. R. von.
 Spence, William.
 Stainton, H. T.

Geographers and explorers

See also Surveyors.

Bessels, Emil.
 Gannett, Henry.
 Ptolemy.
 Rennell, James.
 Rodgers, John.
 Schoolcraft, H. R.

Geologists

See also Mineralogists.

Alexander, J. H.
 Antisell, Thomas.
 Ashburner, C. A.
 Austen, R. A. C. Godwin-
 Ball, Valentine.
 Barrande, Joachim.
 Bigsby, J. J.
 Binney, E. W.
 Blake, W. P.
 Blanford, W. T.
 Boué, Ami.
 Bouvé, T. T.
 Bowman, Amos.
 Buch, C. L. *freiherr* von.
 Buckland, William.
 Buckley, E. R.
 Calvin, Samuel.
 Carter, H. J.
 Castillo, Antonio del.
 Chapin, J. H.
 Clarke, W. B.
 Claypole, E. W.
 Conybeare, W. D.
 Croll, James.
 Dana, J. D.
 Daubeny, C. G. B.
 Daubrée, G. A.
 Dawson, G. M.
 Dawson, *Sir* J. W.
 De la Beche, *Sir* H. T.
 Desmarest, Nicholas.
 Desor, Edouard.
 Dick, Robert.
 Duncan, P. M.
 Dwight, W. B.
 Egerton, *Sir* P. de M. G.
 Eldridge, G. H.
 Élie de Beaumont, J. B. A. L. L.
 Emmons, Ebenezer.
 Enniskillen, W. W. Cole, *earl*.
 Etheridge, Robert.
 Evans, *Sir* John.
 Fitton, W. H.
 Foote, A. E.
 Foster, *Sir* C. L.
 Frazer, Persifor.

Geologists—continued

Geikie, *Sir* Archibald.
 Gibbs, George.
 Grant, R. E. .
 Green, A. H.
 Griffith, *Sir* R. J.
 Guettard, J. É.
 Guyot, A. H.
 Haast, *Sir* Julius von.
 Hall, C. W.
 Hall, James.
 Hartt, C. F.
 Haughton, Samuel.
 Hay, Robert.
 Hayden, F. V.
 Heilprin, Angelo.
 Hicks, Henry.
 Hitchcock, C. H.
 Hitchcock, Edward.
 Horner, Leonard.
 Houghton, Douglass.
 Howell, E. E.
 Hudleston, W. H.
 Hunt, T. S.
 Hutton, F. W.
 Hutton, James.
 Irving, R. D.
 Jackson, C. T.
 James, J. F.
 King, Clarence.
 Knight, W. C.
 Lcoe, R. D.
 Lartet, É. A. I. H.
 Lea, Isaac.
 Le Conte, Joseph.
 Lesley, J. P.
 Lewis, H. C.
 Logan, *Sir* W. E.
 Lyell, *Sir* Charles.
 McCalley, Henry.
 McCoy, *Sir* Frederick.
 McGee, W. J.
 McMahan, C. A.
 Marcou, Jules.
 Marcy, Oliver.
 Marsh, G. P.
 Marsh, O. C.
 Mather, W. W.

Geologists—continued

Medlicott, H. B.
 Meek, F. B.
 Michel-Lévy, Auguste.
 Miller, Hugh.
 Mills, J. E.
 Mitchell, Elisha.
 Moore, J. C.
 Murchison, *Sir* R. I.
 Neff, Peter.
 Newberry, J. S.
 Orton, Edward.
 Owen, D. D.
 Penfield, S. L.
 Pengelly, William.
 Perry, J. B.
 Pettee, W. H.
 Phillips, John.
 Powell, J. W.
 Prestwich, *Sir* Joseph.
 Ramsay, *Sir* A. C.
 Rand, T. D.
 Richtofen, Ferdinand, *baron* von.
 Rogers, H. D.
 Russell, I. C.
 Safford, J. M.
 Sainte-Claire Deville, C. J.
 Saussure, H. B. de.
 Scrope, G. J. P.
 Sedgwick, Adam.
 Seeley, H. G.
 Selwyn, A. R. C.
 Shaler, N. S.
 Sharpe, Daniel.
 Sheaffer, P. W.
 Silliman, Benjamin.
 Smith, William.
 Sorby, H. C.
 Steno, Nicolaus.
 Studer, Bernhard.
 Suess, Eduard.
 Tarr, R. S.
 Topley, William.
 Troost, Gerard.
 Vanuxem, Lardner.
 Verneuil, P. É. P. de.
 Walcott, C. D.
 Werner, A. G.

Geologists—continued

Whitfield, R. P.
 Whitney, J. D.
 Williams, G. H.
 Williams, J. F.
 Winchell, Alexander.
 Worthen, A. H.
 Wright, A. A.
 Wright, G. F.
 Zittel, K. A. von.

Hydrographers

Baird, A. W.
 Beautemps-Beaupré, C. F.
 Davis, C. H.
 Evans, *Sir* F. J. O.
 Fitz Roy, Robert.
 Richards, *Sir* G. H.
 Smyth, W. H.
 Spratt, T. A. B.
 Washington, John.
 Wharton, *Sir* W. J. L.

Ichthyologists

See also Naturalists.

Earll, R. E.
 Lesueur, C. A.
 Storer, D. H.
 Traquair, R. H.

Instrument makers (scientific instruments)

Clark, A. G.
 Clark, Alvan.
 Clark, G. B.
 Hamblet, James.
 Harrison, John.
 Norman, Robert.
 Ramsden, Jesse.
 Reichenbach, Georg von.
 Simms, William.
 Stanley, W. F.
 Temple, J. H.
 Zentmayer, Joseph.

Inventors

Acheson, E. G.
 Arkwright, *Sir* Richard.
 Batchelder, J. M.
 Blanchard, Thomas.
 Brooke, Charles.
 Bushnell, David.

Inventors—continued

Cartwright, Edmund.
 Cooper, Peter.
 Donkin, Bryan.
 Edison, T. A.
 Evans, Oliver.
 Fitch, John.
 Franklin, Benjamin.
 Goodyear, Charles.
 Hargreaves, James.
 Henry, William.
 Holden, *Sir* Isaac.
 Howe, Elias.
 Lombe, John.
 McCormick, C. H.
 Mergenthaler, Ottmar.
 Morse, S. F. B.
 Nobel, A. B.
 Perkins, Jacob.
 Pitman, *Sir* Isaac.
 Saxton, Joseph.
 Sholes, C. L.
 Smith, *Sir* F. P.
 Stanhope, C. M. S.
 Stevens, R. L.
 Tilghman, B. C.
 Whitney, Eli.
 Whittemore, Amos.
 Woodcroft, Bennet.
 Worcester, Edward Somerset,
marquis of.

Iron manufacturers

See also Metallurgists.

Brown, *Sir* John.
 Cort, Henry.
 Crawshay, R. T.
 Darby, Abraham.
 Dudley, Dud.
 Fritz, John.
 Krupp, Alfred.
 Reynolds, Richard.
 Wilkinson, John.

Magneticians

See also Electricians.

Broun, J. A.
 Evans, *Sir* F. J. O.
 Hansteen, Christopher.
 Lloyd, Humphrey.

Magneticians—continued

Neumayer, Georg von.
 Riddell, C. J. B.
 Sabine, *Sir* Edward.

Manufacturers

Cooper, Peter.
 McCormick, C. H.
 Slater, Samuel.

Mathematicians

Allman, G. J.
 Babbage, Charles.
 Banneker, Benjamin.
 Barlow, Peter.
 Beltrami, Eugenio.
 Bertrand, Joseph.
 Boole, George.
 Bowditch, Nathaniel.
 Carnot, L. N. M. *comte*.
 Casey, John.
 Cauchy, Augustin.
 Cayley, Arthur.
 Chasles, Michel.
 Chauvenet, William.
 Christie, S. H.
 Clifford, W. K.
 Condorcet, M. J. A. N. *Caritat*,
marquis de.
 Cremona, Luigi.
 Darwin, *Sir* G. H.
 Davies, Charles.
 De Morgan, Augustus.
 Descartes, René.
 Dirichlet, P. G. L.
 Ellis, A. J.
 Euclid.
 Ferrers, N. M.
 Fourier, J. B. J. *baron*.
 Frost, Percival.
 Gaskin, Thomas.
 Gauss, K. F.
 Gompertz, Benjamin.
 Graves, Charles.
 Halphen, G. H.
 Hamilton, *Sir* W. R.
 Harriot, Thomas.
 Hayward, R. B.
 Hennessy, Henry.
 Hermite, Charles.

Mathematicians—continued

Hill, Thomas.
 Hirst, T. A.
 Jeffery, H. M.
 Joly, C. J.
 Kelland, Philip.
 Lagrange, J. L.
 Laguerre, E. N.
 Legendre, A. M.
 Lie, Sophus.
 Loomis, Elias.
 Lubbock, *Sir* J. W.
 Newton, H. A.
 Newton, *Sir* Isaac.
 Oliver, J. E.
 Parkinson, Stephen.
 Peacock, George.
 Plücker, Julius.
 Poincot, Louis.
 Price, Bartholomew.
 Ptolemy.
 Quetelet, L. A. J.
 Riemann, G. F. B.
 Routh, E. J.
 Runkle, J. D.
 Salmon, George.
 Segner, J. A.
 Simson, Robert.
 Smith, Archibald.
 Smith, H. J. S.
 Stokes, *Sir* G. G.
 Strong, Theodore.
 Sturm, J. C. F.
 Sylvester, J. J.
 Tait, P. G.
 Thales.
 Todhunter, Isaac.
 Walker, J. J.
 Watson, H. W.
 Weierstrass, K. T. W.

Metallurgists

See also Iron manufacturers.

Andrews, Thomas.
 Austin, T. S.
 Bell, *Sir* I. L.
 Bessemer, *Sir* Henry.
 Cheever, B. W.
 Cooper, Edward.

Metallurgists—continued

Davenport, R. W.
 Dudley, Dud.
 Egleston, Thomas.
 Frazier, B. W.
 Fritz, John.
 Goetz, G. W.
 Holley, A. L.
 Huntsman, Benjamin.
 Johnson, P. N.
 Jordan, Samson.
 Kerl, Bruno.
 Metcalf, William.
 Mushet, David.
 Neilson, J. B.
 Neilson, W. G.
 Percy, John.
 Phillips, J. A.
 Richter, Theodor.
 Roberts-Austen, *Sir* W. C.
 Roebuck, John.
 Schneider, Eugène.
 Siemens, *Sir* C. W.
 Snelus, G. J.
 Thomas, S. G.
 Trippel, Alexander.
 Tunner, Peter, *ritter von*.
 Tyson, J. W.
 Wedding, Hermann.

Meteorologists

Abbe, Cleveland.
 Baxendell, Joseph.
 Blanford, H. F.
 Boileau, J. T.
 Broun, J. A.
 Buchan, Alexander.
 Coffin, J. H.
 Curtis, G. E.
 Darwin, *Sir* G. H.
 Dunkin, Edward.
 Eliot, *Sir* John.
 Espy, J. P.
 Ferrel, William.
 Fitz Roy, Robert.
 Glaisher, James.
 Hazen, H. A.
 Hazen, W. B.
 Hoffmeyer, N. H.

Meteorologists—continued

Houzeau de Lehaie, J. C.
 Howard, Luke.
 Jelinek, Carl.
 Lowe, E. J.
 Maury, M. F.
 Meldrum, Charles.
 Myer, A. J.
 Neumayer, Georg von.
 Olmsted, Denison.
 Osler, A. F.
 Peltier, J. C. A.
 Redfield, W. C.
 Rotch, A. L.
 Sainte-Claire Deville, C. J.
 Strachey, *Sir* Richard.
 Symons, G. J.
 Teisserenc de Bort, L. P.
 Waterhouse, John.
 Welsh, John.

Microscopists

Beale, L. S.
 Dallinger, W. H.
 Quekett, J. T.

Mineralogists

See also Crystallographers.—
 Geologists.

Brooke, H. J.
 Brush, G. J.
 Egleston, Thomas.
 Friedel, Charles.
 Haidinger, W. K. *ritter von*.
 Haüy, R. J.
 Jameson, Robert.
 Lea, Isaac.
 Rand, T. D.
 Rose, Gustav.
 Shepard, C. U.
 Smithson, James.
 Werner, A. G.

Naturalists

See also Conchologists.—Ento-
 mologists.—Ichthyologists.—
 Ornithologists.

Abbott, C. C.
 Agassiz, A. E. R.
 Agassiz, Louis.
 Anderson, John.

Naturalists—continued

Archer, William.
 Audubon, J. J.
 Baird, S. F.
 Barton, B. S.
 Bartram, William.
 Bates, H. W.
 Belon, Pierre.
 Beverley, C. J.
 Bock, Hieronymus.
 Brady, H. B.
 Brunfels, Otto.
 Buckland, F. T.
 Buffon, G. L. L. *comte de*.
 Butler, Charles.
 Caius, Joannes.
 Carpenter, W. B.
 Cesalpini, Andrea.
 Conrad, T. A.
 Cope, E. D.
 Cuvier, G. L. C. D. *baron*.
 Dallinger, W. H.
 Darwin, Charles.
 Eaton, Amos.
 Edward, Thomas.
 Ehrenberg, C. G.
 Forbes, Edward.
 Fuchs, Leonhard.
 Gesner, Conrad.
 Goode, G. B.
 Gould, A. A.
 Grew, Nehemiah.
 Gundlach, Johann.
 Gunn, R. C.
 Haldeman, S. S.
 Hewitson, W. C.
 Holbrook, J. E.
 Hooke, Robert.
 Horsfield, Thomas.
 Humboldt, Alexander von.
 Jeffreys, J. G.
 Jussieu, A. L. de.
 Kaye, John.
 Key, John.
 Kirtland, J. P.
 Lamarck, J. B. P. A. de *Monet*,
 chevalier de.
 Lapham, I. A.

Naturalists—continued

Leidy, Joseph.
 L'Escluse, Charles de.
 Lesueur, C. A.
 Lister, Martin.
 L'Obel, Matthias de.
 Lowe, E. J.
 Marcgrave, George.
 Moufet, Thomas.
 Packard, A. S.
 Peale, T. R.
 Pickering, Charles.
 Poey y Aloy, Felipe.
 Quatrefages de Bréau, J. L. A. de.
 Quekett, J. T.
 Rafinesque, C. S.
 Ray, John.
 Réaumur, R. A. de.
 Redi, Francesco.
 Richardson, *Sir John*.
 Rondelet, Guillaume.
 Thompson, Zadoc.
 Trembley, Abraham.
 Turner, William.
 Wallace, A. R.
 Wheatland, Henry.
 White, Gilbert.
 Williamson, W. C.
 Willughby, Francis.

Opticians

See also Surgeons, Ophthalmic.

Abbe, Ernst.
 Brewster, *Sir David*.
 Clark, A. G.
 Clark, Alvan.
 Clark, G. B.
 Fraunhofer, Joseph von.
 Guinand, P. L.
 Lloyd, Humphrey.
 Ramsden, Jesse.
 Zentmayer, Joseph.

Ornithologists

See also Naturalists.

Audubon, J. J.
 Brewer, T. M.
 Coues, Elliott.
 Gould, John.
 Lilford, T. L. *Powys, baron*.

Ornithologists—continued

Newton, Alfred.
Tristram, H. B.
Tweeddale, Arthur Hay,
marquis of.
Wilson, Alexander.

Paleontologists

Beecher, C. E.
Bunbury, *Sir* C. J. F.
Carter, H. J.
Davidson, Thomas.
Etheridge, Robert.
Falconer, Hugh.
Gabb, W. M.
Gervais, Paul.
Hatcher, J. B.
Heer, Oswald.
Hulke, J. W.
Knight, W. C.
Marsh, O. C.
Nicholson, H. A.
Zittel, K. A. von.

Pharmacists

Brande, W. T.
Hanbury, Daniel.
Mohr, Friedrich.
Warrington, Robert, 1807–67.
Warrington, Robert, 1838–1907.

Photographers

Chapman, D. C.
Claudet, A. F. J.

Physicians

See also Surgeons.
Abernethy, John.
Acland, *Sir* H. W.
Addison, Thomas.
Aitken, *Sir* William.
Anderson, G. B.
Andral, Gabriel.
Arnott, Neil.
Auenbrugger, Leopold.
Babington, B. G.
Baillie, Matthew.
Baird, William.
Ballard, Edward.
Baly, William.
Barry, Martin.
Barton, B. S.

Physicians—continued

Bastian, H. C.
Beale, L. S.
Beddoe, John.
Bell, John.
Bennett, J. H.
Bennett, *Sir* J. R.
Bigelow, Jacob.
Blakiston, Peyton.
Boerhaave, Hermann.
Bowditch, H. I.
Bowditch, H. P.
Boyce, *Sir* R. W.
Bright, Richard.
Brinton, William.
Bristowe, J. S.
Broadbent, *Sir* W. H.
Broca, Paul.
Brown-Séguard, C. É.
Buchanan, *Sir* George.
Bucknill, *Sir* J. C.
Budd, George.
Budd, William.
Burrows, *Sir* George.
Cabot, Samuel.
Caius, Joannes.
Cardano, Girolamo.
Chambers, W. F.
Charcot, J. M.
Christison, *Sir* Robert.
Clark, *Sir* Andrew.
Clarke, E. H.
Cobbold, T. S.
Cohnheim, J. F.
Conolly, John.
Cooper, *Sir* A. P.
Corrigan, *Sir* D. J.
Crichton, *Sir* Alexander.
Cullen, William.
Dalton, J. C.
Darwin, Erasmus.
Derby, George.
Ellis, Calvin.
Emerson, Gouverneur.
Farre, Arthur.
Fayrer, *Sir* Joseph.
Finlay, C. J.
Flint, Austin.

Physicians—continued

Folsom, C. F.
Forbes, *Sir* John.
Fowler, Richard.
Gairdner, *Sir* W. T.
Godding, W. W.
Graves, R. J.
Gregory, James.
Gregory, John.
Gull, *Sir* W. W.
Guy, W. A.
Hahnemann, C. S. F.
Halford, *Sir* Henry.
Hall, Marshall.
Hamilton, D. J.
Harley, George.
Hartshorne, Henry.
Harvey, William.
Haughton, Samuel.
Hawkins, Bisset.
Hays, Isaac.
Henderson, William.
Hodges, R. M.
Holbrook, J. E.
Holland, *Sir* Henry.
Hosack, David.
Hunter, William.
Jackson, C. T.
Jackson, J. B. S.
Jackson, J. H.
Jago, James.
Jarvis, Edward.
Jenner, Edward.
Jenner, *Sir* William.
Johnson, *Sir* George.
Kanthack, A. A.
Kaye, John.
Key, John.
Kirkbride, T. S.
Knight, F. I.
Laënnec, R. T. H.
Lee, William.
Linacre, Thomas.
Louis, P. C. H.
Lyman, G. H.
Mackenzie, *Sir* Morell.
Magendie, François.
Marcet, William.

Physicians—continued

Marshall, John.
Maudsley, Henry.
Meigs, C. D.
Meigs, J. F.
Monro, Alexander, 1697–1767.
Monro, Alexander, 1733–1817.
Murchison, Charles.
Nichols, C. H.
Paget, *Sir* G. E.
Paget, *Sir* James.
Paris, J. A.
Parkes, E. A.
Penrose, R. A. F.
Pepper, William.
Quain, *Sir* Richard.
Randolph, N. A.
Ray, Isaac.
Rees, G. O.
Reynolds, Edward.
Richardson, *Sir* B. W.
Ringer, Sidney.
Roberts, *Sir* William.
Rogers, J. B.
Roget, P. M.
Rolleston, George.
Roy, C. S.
Rush, Benjamin.
Sanderson, *Sir* J. S. B.
Shattuck, G. C.
Sibson, Francis.
Simon, *Sir* John.
Simpson, *Sir* J. Y.
Smith, A. H.
Stokes, William.
Sydenham, Thomas.
Taylor, A. S.
Thompson, Theophilus.
Thorne, *Sir* R. T.
Todd, R. B.
Toner, J. M.
Virchow, Rudolf.
Ware, C. E.
Watson, *Sir* Thomas.
Wells, *Sir* T. S.
Williams, C. J. B.
Wilson, *Sir* W. J. E.
Wood, G. B.

Physicians—continued

Young, Thomas.

Physicists

Ampère, A. M.
 Ångström, A. J.
 Ångström, K. J.
 Apjohn, James.
 Arago, D. F. J.
 Bache, A. D.
 Barker, G. F.
 Barré de Saint-Venant, A. J. C.
 Bartlett, W. H. C.
 Becquerel, A. H.
 Becquerel, Edmond.
 Bell, A. G.
 Biot, J. B.
 Boltzmann, Ludwig.
 Bravais, Auguste.
 Clausius, R. J. E.
 Colladon, J. D.
 Conroy, *Sir* John.
 Cooke, *Sir* W. F.
 Cornu, M. A.
 Coulomb, C. A. de.
 Crookes, *Sir* William.
 Dove, H. W.
 Everett, J. D.
 Faraday, Michael.
 Fitzgerald, G. F.
 Foucault, J. B. L.
 Fourier, J. B. J. *baron*.
 Fresnel, A. J.
 Galileo.
 Gibbs, J. W.
 Guthrie, Frederick.
 Harcourt, W. V. V.
 Helmholtz, H. L. F. von.
 Hennessy, Henry.
 Henry, Joseph.
 Herschel, *Sir* J. F. W.
 Hertz, Heinrich.
 Hoff, J. H. van't.
 Holman, S. W.
 Huygens, Christiaan.
 Jamin, J. C.
 Jedlik, Anianus.
 Joule, J. P.
 Kelland, Philip.

Physicists—continued

Kelvin, William Thomson, *baron*.
 Kerr, John.
 Kimball, A. S.
 Kirchhoff, G. R.
 Kohlrausch, Friedrich.
 König, K. R.
 Kundt, August.
 Kupffer, A. T. von.
 Lane, J. H.
 Le Conte, John.
 Lefavour, E. B.
 Lovering, Joseph.
 Magnus, H. G.
 Malus, É. L.
 Mascart, É. É. N.
 Maxwell, J. C.
 Mayer, A. M.
 Mayer, J. R. von.
 Mendenhall, T. C.
 Neumann, F. E.
 Ohm, G. S.
 Ørsted, H. C.
 Peltier, J. C. A.
 Peregrinus, Petrus.
 Plateau, A. F. J.
 Plücker, Julius.
 Poggendorf, J. C.
 Poincaré, J. H.
 Potier, Alfred.
 Rayleigh, J. W. Strutt, *baron*.
 Réaumur, R. A. de.
 Regnault, H. V.
 Reis, J. P.
 Riemann, G. F. B.
 Röntgen, W. C.
 Rood, O. N.
 Rowland, H. A.
 Rumford, Benjamin Thompson,
count.
 Silliman, Benjamin.
 Smith, Archibald.
 Spottiswoode, William.
 Stewart, Balfour.
 Stokes, *Sir* G. G.
 Tait, P. G.
 Taylor, W. B.
 Trowbridge, John.

Physicists—continued

Tyndall, John.
 Volpicelli, Paolo.
 Watson, H. W.
 Wheatstone, *Sir* Charles.
 Whewell, William.
 Whiting, Harold.
 Wiedemann, G. H.
 Young, Thomas.

Physiologists

Aselli, Gaspar.
 Bartholinus, Thomas.
 Bell, *Sir* Charles.
 Bernard, Claude.
 Bert, Paul.
 Borelli, G. A.
 Czermak, J. N.
 Davy, John.
 Dean, John.
 Donders, F. C.
 Du Bois-Reymond, E. H.
 Flourens, M. J. P.
 Galvani, Luigi.
 Gamgee, Arthur.
 Glisson, Francis.
 Hales, Stephen.
 Haller, Albrecht von.
 Helmholtz, H. L. F. von.
 Helmont, J. B.
 Henle, F. G. J.
 Hooke, Robert.
 Kölliker, R. A. von.
 Leeuwenhoek, Antony van.
 Ludwig, K. F. W.
 Malpighi, Marvello.
 Mayow, John.
 Moleschott, Jacob.
 Mosso, Angelo.
 Müller, J. P.
 Pflüger, E. F. W.
 Reid, John.
 Roy, C. S.
 Rutherford, William.
 Servetus, Michael.
 Sharpey, William.
 Spallanzani, Lazzaro.
 Swammerdam, Jan.
 Sylvius, Franciscus.

Physiologists—continued

Vesalius, Andreas.
 Vulpian, E. F. A.
 Waller, A. V.
 Weber, E. H.

Printers

Clowes, William.
 Hoe, R. M.
 König, Friedrich.
 Ruggles, S. P.
 Walter, John.

Railroad-builders

Brassey, Thomas.
 Bryant, Gridley.
 Firth, F. R.
 Riggerbach, Nikolaus
 Stephenson, George.
 Stephenson, Robert.
 Williams, J. L.
 Wilson, W. H.

Scientific writers and teachers

Bate, C. S.
 Blakiston, Peyton.
 Hunt, Robert.
 Penrose, R. A. F.
 Rogers, W. B.

Scientists

Albertus Magnus.
 Argyll, G. D. Campbell, *duke of*.
 Barnard, F. A. P.
 Franklin, Benjamin.
 Gilman, D. C.
 Huxley, T. H.
 John XXI, *pope*.
 Kircher, Athanasius.
 Mitchill, S. L.
 Newton, *Sir* Isaac.
 Oldenburg, Henry.
 Pepper, William.
 Rogers, W. B.
 Spencer, Herbert.
 Weeks, J. D.
 Youmans, E. L.

Ship-builders

Burgess, Edward.
 Cramp, C. H.
 Eckford, Henry.
 Elgar, Francis.

Ship-builders—continued

Harland, E. J.
 Pett, Phineas.
 Reed, *Sir* E. J.
 Roach, John.
 Russell, J. S.
 Smith, *Sir* F. P.

Stenographers

Pitman, *Sir* Isaac.

Surgeons

Agnew, D. H.
 Beverley, C. J.
 Bigelow, H. J.
 Billings, J. S.
 Bishop, John.
 Brodie, *Sir* B. C.
 Brooke, Charles.
 Clark, F. L.
 Curling, T. B.
 Erichsen, *Sir* J. E.
 Fabricius, Hieronymus.
 Fergusson, *Sir* William.
 Green, J. H.
 Gross, S. D.
 Guido de Cauliaco.
 Guthrie, G. J.
 Hulke, J. W.
 Humphry, *Sir* G. M.
 Hunter, John.
 Kidder, J. H.
 Lawrence, *Sir* William.
 Lister, *Sir* Joseph.
 Liston, Robert.
 Lizars, John.
 Macgrigor, *Sir* James.
 McWilliam, J. O.
 Paré, Ambroise.
 Reed, Walter.
 Richardson, *Sir* John.
 Sims, J. M.
 Stanley, Edward.
 Syme, James.
 Thompson, *Sir* Henry.
 Travers, Benjamin.
 Woodward, J. J.

Surgeons, Aural

Hinton, James.
 Toynbee, Joseph.

Surgeons, Dental

Morton, W. T. G.
 Salter, S. J. A.
 Tomes, *Sir* John.

Surgeons, Ophthalmic

Bowman, *Sir* William.
 Carter, R. B.
 Donders, F. C.
 Hay, Gustavus.

Surveyors

Avery, R. S.
 Baeyer, J. J.
 Baker, Marcus.
 Boutelle, C. O.
 Denham, H. M.
 Eimbeck, William.
 Lindenkohl, Adolph.
 Nicholson, W. L.
 Schott, C. H.
 Walker, J. T.

Zoölogists

See also Biologists.

Allman, G. J.
 Baird, William.
 Beneden, Edouard van.
 Bessels, Emil.
 Blanford, W. T.
 Brehm, Alfred.
 Bridge, T. W.
 Broderip, W. J.
 Brooks, W. K.
 Carpenter, P. H.
 Clark, H. J.
 Dobson, G. E.
 Dohrn, Anton.
 Ducrotay de Blainville, H. M. de.
 Flower, *Sir* W. H.
 Geoffroy Saint-Hilaire, Étienne.
 Geoffroy Saint-Hilaire, Isidore.
 Gervais, Paul.
 Gosse, P. H.
 Hamlin, C. E.
 Howes, T. G. B.
 Hyatt, Alpheus.
 Lacaze-Duthiers, Henri de.
 Leuckart, C. G. F. R.
 Lockwood, Samuel.
 Lyman, Theodore.

Zoölogists—continued

Marshall, A. M.
Milne-Edwards, Henri.
Morse, E. S.
Nicholson, H. A.
Pourtalès, L. F. de.
Putnam, F. W.
Rathke, Heinrich.
Salvin, Osbert.
Sars, Michael.
Say, Thomas.

Zoölogists—continued

Schmidt, E. O.
Seeley, H. G.
Semper, C. G.
Siebold, C. T. E. von.
Sladen, W. P.
Thomson, Sir C. W.
Tiedemann, Friedrich.
Vogt, Karl.
Weldon, W. F. R.

Erratum

Page 129. *For Riggeenbach, read Rigggenbach.*

